

Vital Statistics of California 2002



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VITAL STATISTICS OF CALIFORNIA 2002

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PREFACE

This report provides tabulations of vital statistics on births and deaths in California in 2002, as part of a historical series of similar annual reports. These data are compiled from information provided on birth, death, and fetal death certificates filed with the California Department of Health Services' Office of Vital Records.

Chapter 1 provides a comprehensive overview of all vital events in California, including trends, California/United States comparisons, county-specific rates, population tables, and life expectancy. Chapters 2 through 5 present data on natality, fetal mortality, infant mortality, and total mortality, respectively. Each chapter includes a narrative overview of the data provided in more detail in the chapter tables. These narratives describe only a selection of the many variables available in the tables. Tables of Contents at the beginning of each chapter describe the variables displayed in each table. Table guides are provided in Chapters 2 and 5 to assist in the location of birth and death information.

Chapter 6 provides discussion on technical aspects of the data, including sources and quality, historical changes in vital statistics registration, and appropriate uses and limitations of the data. Chapters 7 and 8 are appendices. Chapter 7 provides statistical definitions and formulas. Chapter 8 includes facsimiles of birth, death, and fetal death certificate forms, medical and race worksheets, coding information, and a publication order form.

The rates and population tables in this report are based on population reports and data files from the Department of Finance. At the time of preparation of this report, population data based on the 2000 Census were not available. Therefore, data used in population tables and rates were estimates and projections based on the 1990 Census. Please refer to footnotes on each table for the source of population estimates and projections. The most recent data are available on the Department of Finance Website at: www.dof.ca.gov

Revised federal guidelines for collecting and tabulating race and Hispanic origin data from the U.S. Office of Management and Budget (OMB) were implemented with Census 2000.¹ The most significant change from prior guidelines involved the option for people to specify more than one race on their census forms. Additionally, the revised guidelines recommended reporting of races in slightly expanded categories. American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or Other Pacific Islander, White, and Two or More Races are the new minimum reporting categories. No major change was made regarding Hispanic origin; Hispanic and Non-Hispanic are the minimum reporting categories.

In compliance with these guidelines, California birth certificates permitted identification of more than one race for mother and father of child, and death certificates permitted designation of multiple races for decedents effective for the first time with 2000 birth and death data. Data systems were modified to collect and retain up to three races. There are substantial implications of these new race collection methods and the new federal guidelines for tabulating California race data. Tables in this report, that present data by race or race/ethnicity, are not comparable with tables based on 1999 and earlier data.

The data collected on the birth, death, and fetal death certificates in items labeled "Race" include the following groups: American Indian, Black, Cambodian, Chinese, Eskimo/Aleut, Filipino, Hawaiian, Hmong, Indian (India), Japanese, Korean, Laotian, Samoan, Thai, Vietnamese, White, Other Asian, Other Pacific Islander, and Other Races. Data on "Hispanic origin" is collected separately. Race and

¹ Office of Management and Budget, Washington, D.C. Provisional Guidance on the Implementation of the 1997 Standards for Federal Data on Race and Ethnicity, December 15, 2000. Online: www.whitehouse.gov/omb/inforeg/statpolicy.html.

Hispanic origin are tabulated in two ways in this report. Most tables (labeled “by Race/Ethnicity”) utilize both race and Hispanic origin as a single, mutually exclusive set of categories based on the OMB standards. All individuals of Hispanic origin, irrespective of race or races, are reported as “Hispanic.” All non-Hispanic individuals are tabulated in the following categories, parallel to the OMB minimum standards: Two or More Races, American Indian (includes Alaskan Native), Asian, Black, Pacific Islander (Native Hawaiian and Other), and White/Other Races. The intention of this methodology is to provide a single mutually exclusive list that combines two reporting dimensions: Hispanic (origin) and Race.

Alternatively, some tables (labeled “By Race”) are tabulated without regard to Hispanic origin. That is, individuals of Hispanic origin are reported in the appropriate race category. In California, most people of Hispanic origin are White. On these tables, as on the tables “by Race/Ethnicity,” data in the column “Two or More Races” pertain to individuals who identified with two or more of the OMB minimum race categories: American Indian or Alaskan Native, Asian, Black or African American, Native Hawaiian or Other Pacific Islander, and White or Other.

For more information on categorizing race/ethnicity, please see Chapter 6. You may also consult the U.S. Office of Management and Budget Website at: www.whitehouse.gov/omb/inforeg/statpolicy.html or contact the California Center for Health Statistics at (916) 552-8095.

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Inquiries regarding this report should be directed to the California Department of Health Services, Office of Health Information and Research, MS 5103, P.O. Box 997410, Sacramento, CA 95899-7410, (916) 552-8095.

Most of the tables presented in this report are available in both Excel and Adobe Acrobat formats on our Website. The Center for Health Statistics Home Page is: www.dhs.ca.gov/hisp/chs. Click on “Vital Statistics Data Tables” on the left menu.

Also available is the Vital Statistics Query System at: www.applications.dhs.ca.gov/vsq. The Vital Statistics Query System can be used to run tabulations on birth and death data for the years 1994 to 2001. Tabulations can be run by residence or occurrence for California or individual counties. Birth variables available are age, gender, race/ethnicity, birthweight, and prenatal care. Death variables available are age, gender, race/ethnicity, and cause of death.

TABLE OF CONTENTS

	Page
1. REVIEW OF VITAL STATISTICS OF CALIFORNIA	3
Highlights	
Tables	
2. NATALITY	27
Summary of Natality	
Guide to Birth Tables	
Tables	
3. FETAL MORTALITY	77
Summary of Fetal Mortality	
Tables	
4. INFANT MORTALITY	87
Summary of Infant Mortality	
Tables	
5. MORTALITY	117
Summary of Mortality	
Guide to Death Tables	
Tables	
6. SOURCES, QUALITY, AND LIMITATIONS OF DATA	193
Vital Statistics Registration	
Sources and Quality of Vital Statistics Data	
Limitations of Data	
7. STATISTICAL APPENDIX.....	207
Definitions	
Rates and Ratios	
8. APPENDIX OF SOURCES.....	213
Certificates, Worksheets, and Lists of Variables	
Vital Statistics Reports	
Publication Order Form	
Vital Statistics Registration in California	

NOTES

1. REVIEW OF VITAL STATISTICS OF CALIFORNIA

	Page
HIGHLIGHTS	5

TABLES

1-1	Population, Live Births, Deaths, Maternal Deaths, Fetal Deaths, and Infant Deaths, California, 1970-2002	10
1-2	Live Births, Deaths, Maternal Deaths, Fetal Deaths, and Infant Deaths by Age, California Counties, 2002	11
1-3	Live Births, Deaths, Maternal Deaths, Fetal Deaths, and Infant Deaths by Age, California and Selected City Health Departments, 2002	12

COMPARISON WITH VITAL STATISTICS OF THE UNITED STATES

1-4	Comparison of Vital Statistics Rates, California and United States, 1980-2002.....	13
1-5	General Fertility Rates, Total Fertility Rates, and Birth Rates by Age of Mother, California and United States, 1980-2002	14
1-6	Comparison of Percent of Births with Selected Demographic and Medical Characteristics, California and United States, 1990-2002.....	15
1-7	Deaths, Age-Adjusted Death Rates By Sex, Infant Mortality Rates, Age-Specific Death Rates, and Percent Change in Deaths and Rates, California and United States, 2001-2002.....	16
1-8	Deaths, Percent of Deaths, Death Rates, and Age-Adjusted Death Rates for Leading Causes of Death, California and United States, 2002	17
1-9	Number and Percent of Infant Deaths and Infant Mortality Rates for Leading Causes of Infant Death, California and United States, 2002	18

BIRTH COHORT DATA (Based on 2001 Birth Cohort File)

<u>TABLE</u>		<u>Page</u>
1-10	Births, Perinatal and Infant Deaths, and Death Rates by Birthweight, California, 2001	19
1-11	Births, Perinatal and Infant Deaths, and Death Rates by Method of Delivery, California, 2001	20
1-12	Births, Infant Deaths, and Death Rates by Race/Ethnic Group of Mother, California, 2001	21
1-13	Births, Perinatal and Infant Deaths, and Death Rates by Age of Mother, California, 2001	22

LIFE EXPECTANCY DATA

1-14	Life Expectancy at Birth and Average Number of Years of Life Remaining at Age 65 by Selected Years and Sex, California, 1919-1920, 1929-1931, 1939-1941, 1950, 1960, 1970, 1980, 1990-2002	23
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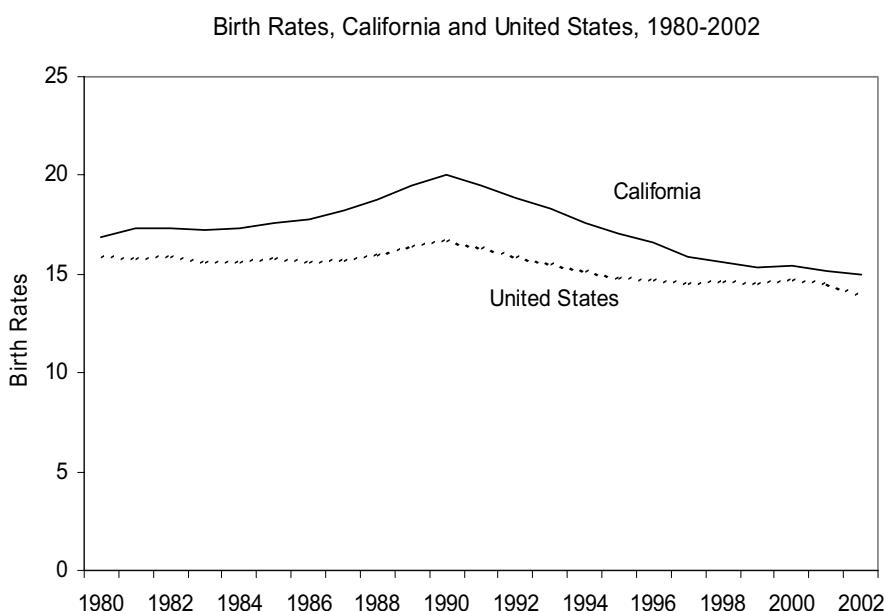
POPULATION DATA

1-15	Number and Percent of Women of Childbearing Age by Age Group, California and United States, 2000-2002.....	24
1-16	Population by Age and Sex, California, 1992-2002	25

HIGHLIGHTS

California and United States Comparison

The estimated population for California in 2002 was 35,301,000, an increase of 543,000 from 2001. Approximately one out of eight U.S. residents (12.2 percent) lived in California. The 529,245 live births to residents of California in 2002 accounted for 13.2 percent of all U.S. births.



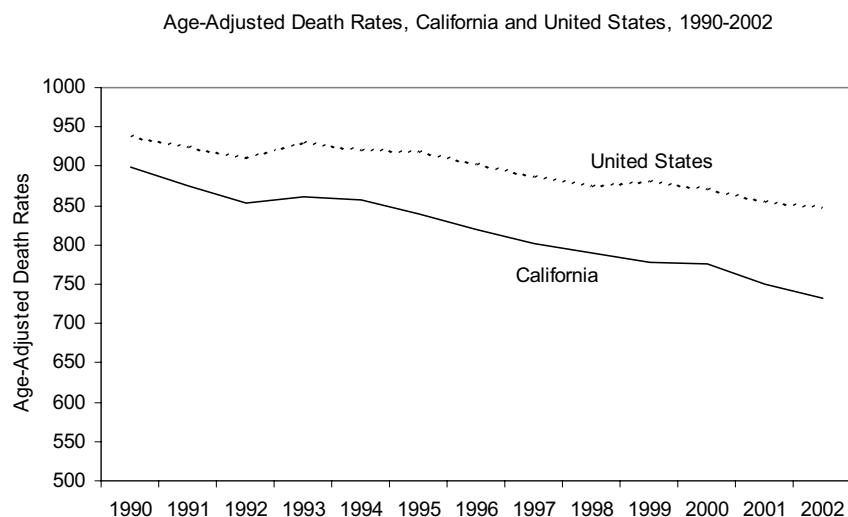
While still exceeding the U.S. birth rate of 13.9 births per 1,000 population, California's birth rate of 15.0 fell to its lowest level since 1975 (Tables 1-1 and 1-4).

The general fertility rate decreased from 84.7 live births per 1,000 women ages 15-44 in 1990 to 70.5 in 1999. The rate then rose to 71.9 in 2000 and declined to 71.0 in 2002. California's rate remains higher than the U.S. rate of 64.8 (Table 1-4).

The 233,246 deaths of California residents in 2002 accounted for 9.5 percent of all U.S. deaths.

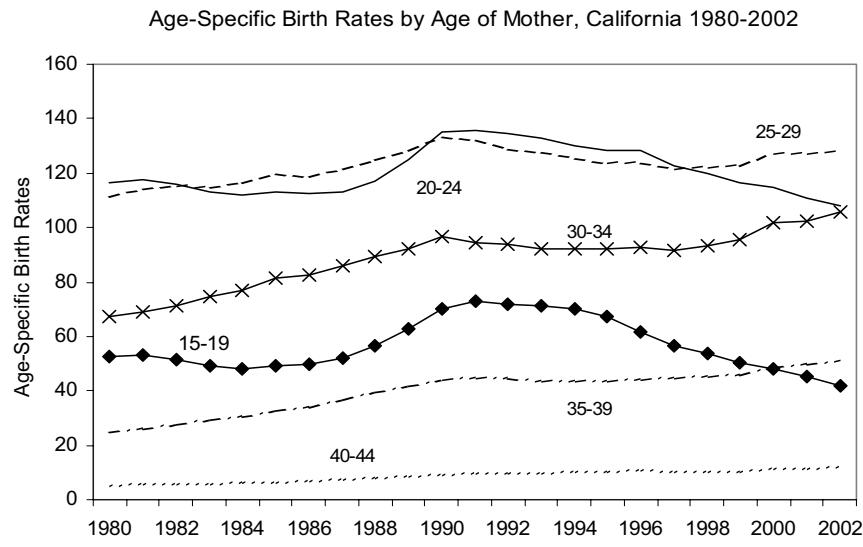
California's death rate was 6.6 deaths per 1,000 population. This rate continues to be below the U.S. rate of 8.5 in 2002 (Table 1-4).

California's age-adjusted death rate (which eliminates the effects of the aging population) was 732.8 per 100,000 population in 2002, compared with 846.8 for the U.S. (Table 1-8).



California Births

After decreasing in 2001, California resident births increased by 0.4 percent in 2002 to 529,245. The number of 2002 births was 13.5 percent less than the peak of 611,666 births in 1990 (Table 1-1). The birth rate of 15.0 births per 1,000 population was down 1.3 percent from the rate of 15.2 in 2001, and was down 25.0 percent from the high of 20.0 in 1990 (Table 1-4).



Overall, between 2001 and 2002, the age-specific birth rates were higher for mothers ages 25-29 through 40-44 and lower for mothers under 25. The age-specific rate in 2002 for mothers 45 and over was unchanged from the 2001 rate. The age-specific birth rate was highest among 25-29 year old mothers (127.5 per 1,000 women), increasing from 127.2 in 2001 (Table 1-5).

Birth rates for mothers in the age groups of under 15, 15-19 and 20-24 all reached record lows going back to 1960. The California birth rate for the youngest teens (under 15) was lower than the U.S. rate (0.5 vs. 0.7). The 2002 teen birth rate of 41.6 births per 1,000 women ages 15-19 decreased by 7.8 percent from the rate of 45.1 in 2001. This rate has declined steadily since 1992. In 2002, for the third consecutive year, California's teen birth rate fell below the birth rate for the U.S. as a whole. The birth rate for 20-24 year old mothers has also been declining since 1992 in California but remains slightly higher than the corresponding U.S. rate (Table 1-5).

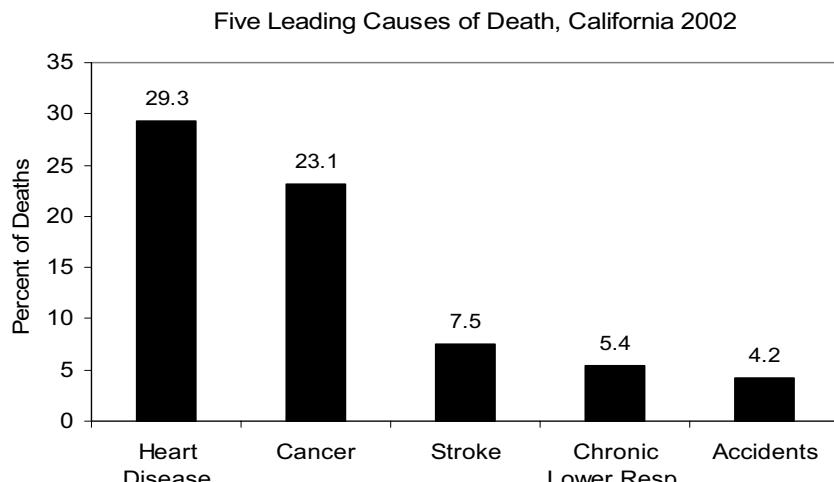
Comparisons of selected demographic and medical characteristics between California and the U.S. show that 33.0 percent of California births were to unmarried mothers, compared with 34.0 percent for the U.S. as a whole (Table 1-6). Just over half of California births (53.5 percent) were to mothers born in the United States, compared with 76.7 percent of all births nationwide. Only 2.6 percent of California mothers had late (third trimester) or no prenatal care, compared with 3.6 percent of U.S. births. California also experienced fewer preterm births (prior to 37 weeks gestation) (10.5 percent) than did the U.S. (12.1 percent). The percent of cesarean births in California was slightly higher than the U.S. (26.8 percent vs. 26.1 percent).

California Deaths

In 2002, 233,246 California residents died, up from 232,790 in 2001. The death rate in 2002 was 6.6 deaths per 1,000 population, down from 6.7 in 2001 (Table 1-1).

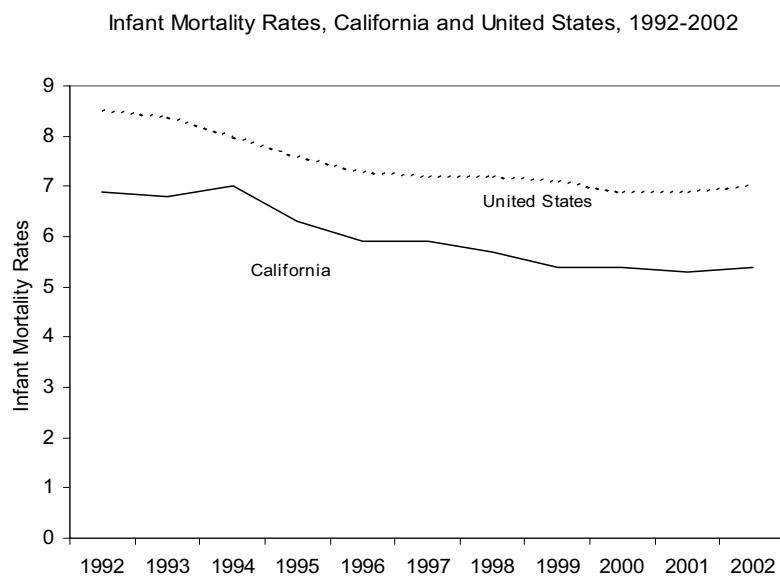
The ranking of the ten leading causes of death has remained the same since the change to the Tenth Revision of the International Classification of Diseases in 1999.

Heart disease and cancer (malignant neoplasms) accounted for over half (52.4 percent) of all deaths in California in 2002. Cerebrovascular disease (stroke), chronic lower respiratory disease, and accidents (unintentional injuries) accounted for 17.1 percent of deaths in 2002. These were the five leading causes of death in the U.S. as well as California (Table 1-8).



California Infant and Fetal Deaths

There were 2,875 deaths of California resident infants (under one year of age) in 2002, an increase of 2.1 percent from the 2001 level. Fetal deaths declined from 2,952 in 2001 to 2,870 in 2002 (Table 1-1).



California's 2002 infant mortality rate rose to 5.4 infant deaths per 1,000 live births from 5.3 in 2001, the first increase since 1994. California's infant mortality rate continues to be lower than the U.S. rate (Table 1-4).

The neonatal (less than 28 days old) mortality rate of 3.6 deaths per 1,000 live births was unchanged from 2001.

The postneonatal (28 days to less than 1 year of age) mortality rate of 1.8 was also unchanged from 2001 (Tables 1-2 and 4-5).

Infant and Fetal Deaths: The Birth Cohort File

Chapters 3 and 4 report on Fetal Deaths and Infant Deaths, respectively, based on the 2001 fetal death and death certificate data. The following discussion, as well as Tables 1-10 through 1-13, are based on the Birth Cohort File for 2001, which is produced annually by the California Department of Health Services. The cohort file includes linked infant death and birth data. The primary advantage of data obtained from the cohort file over death and fetal death file data, is that birth information (birthweight, for example) for infants who died can be compared with all births. In addition, infant deaths can be tabulated by race of mother, which is correlated with many birth outcomes but is not

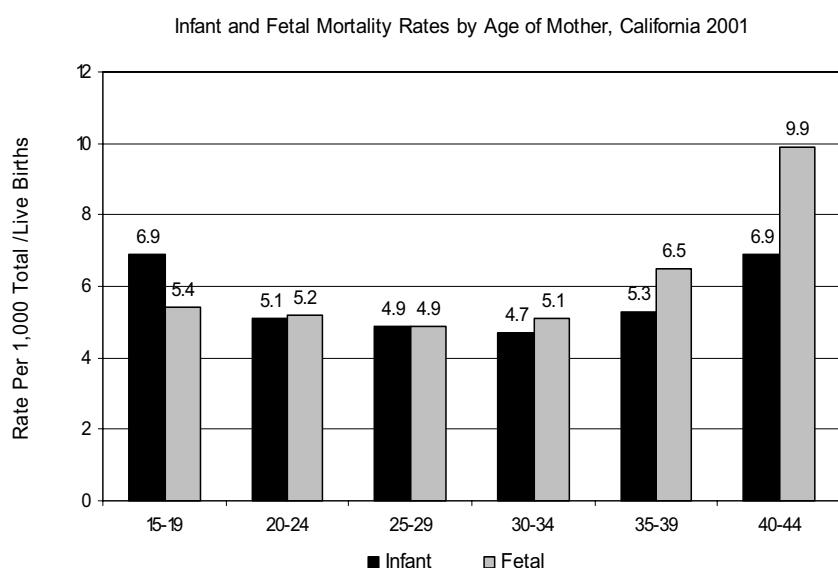
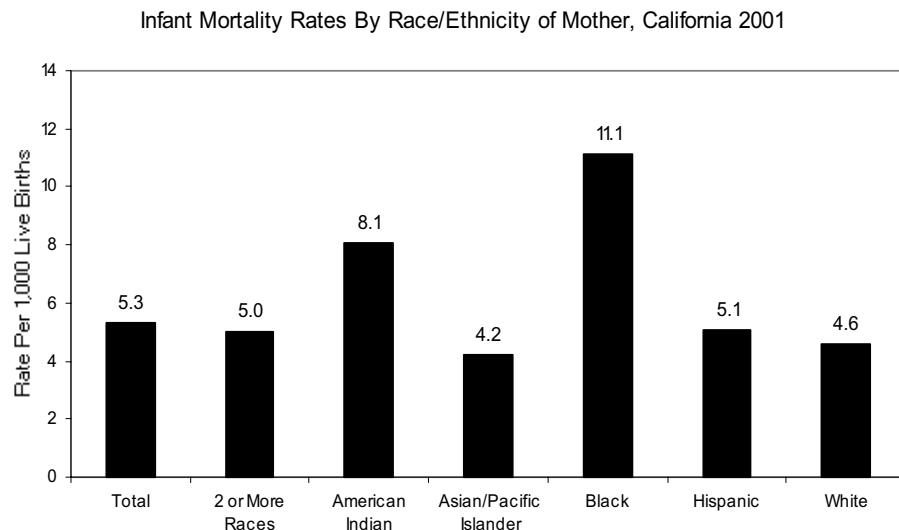
reported on the death certificate. For additional discussion of the cohort file's benefits and general descriptive information about this file, see Chapter 6.

In 2001 California had 2,819 deaths of resident infants and 2,953 fetal deaths. The cohort infant mortality rate was 5.3 deaths per 1,000 live births, and the fetal death rate was 5.6 fetal deaths per 1,000 total births (live births plus fetal deaths) (Table 1-10). The perinatal death rate (fetal deaths of 20 or more weeks gestation plus deaths to infants under 28 days of age) was 9.1 per 1,000 total births.

Most infant deaths occur to babies born below normal birthweights. The lower the birthweight, the more likely an infant is to die, most likely within the first 28 days of life. Most babies (80.2 percent) born at less than 500 grams died in their first year of life; 98.4 percent of them in the first 28 days of life. Babies born between 500 and 999 grams had much lower mortality rates, with improvement again at 1000-1499 grams, and again at higher weights (Table 1-10).

Infants born by cesarean section had higher death rates (8.0 per 1,000 live births) than infants born vaginally (4.3 per 1,000 live births). The death rate for infants born vaginally after a prior cesarean section was 6.5 per 1,000 live births (Table 1-11).

The death rate for infants born to Black mothers (11.1) was well over twice the total infant mortality rate (5.3). Infants born to American Indian mothers had the next highest rate of 8.1. Rates for infants of Hispanic, 2 or more races, White, and Asian/Pacific Islander mothers were 5.1, 5.0, 4.6, and 4.2 deaths per 1,000 live births, respectively (Table 1-12).

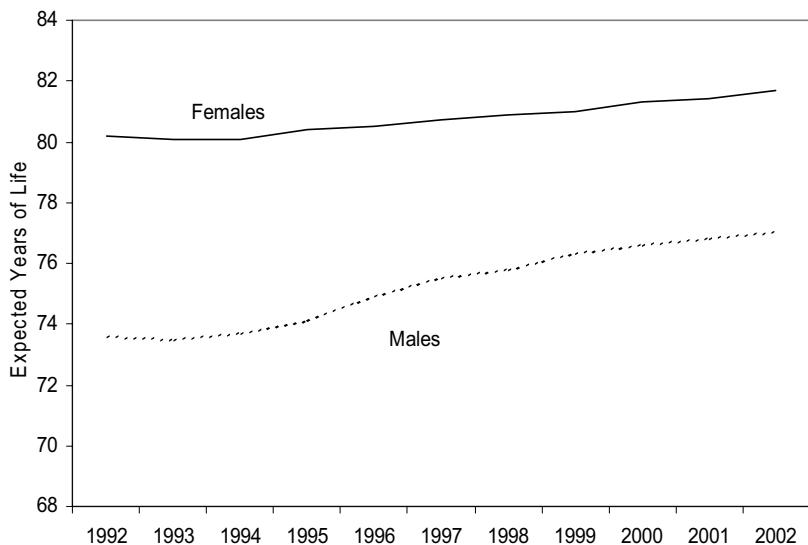


Infants born to younger and older mothers experienced higher infant mortality rates than those born to mothers in their 20s and early 30s (Table 1-13). Mothers 15-19 and 40-44 had the highest reliable rates of mortality for their infants with a rate of 6.9 for both age groups.

Fetal death rates were also highest among older mothers (Table 1-13).

Life Expectancy

Life Expectancy at Birth By Sex, California 1992-2002



Life expectancy for a child born in 2002 was 77.0 years for males and 81.7 years for females. This is a gain of 3.4 years of expected life from the 1992 level for males and a gain of 1.5 years for females (Table 1-14).

The average number of years of life remaining at age 65 in 2002 was 18.1 years for males and 20.7 years for females. This is a gain of 1.6 years of expected life from the 1992 level for males and a gain of 0.8 year for females.

Population

Tables 1-15 and 1-16 display population estimates and projections as used in this report. The data were provided by the Demographic Research Unit of the California Department of Finance and were based on 1990 census data. At the time of preparation of this report, more current data based on the 2000 census data were not available. Race-specific population data in the same race/ethnic categories as are used in this report were also unavailable.

TABLE 1-1. POPULATION, LIVE BIRTHS, DEATHS, MATERNAL DEATHS, FETAL DEATHS, AND INFANT DEATHS, CALIFORNIA, 1970-2002 (By Place of Residence)

(Live birth and death rates are per 1,000 population; maternal mortality rates are per 10,000 live births; fetal mortality ratios and infant mortality rates are per 1,000 live births.)

YEAR	POPULATION	LIVE BIRTHS		DEATHS		MATERNAL DEATHS		FETAL DEATHS		INFANT DEATHS	
		Number	Rate	Number	Rate	Number	Mortality Rate	Number	Mortality Ratio	Number	Mortality Rate
2002	35,301,000	529,245	15.0	233,246	6.6	56	1.1	2,870	5.4	2,875	5.4
2001	34,758,000	527,371	15.2	232,790	6.7	54	1.0	2,952	5.6	2,815	5.3
2000	34,480,000	531,285	15.4	228,281	6.6	59	1.1	3,046	5.7	2,884	5.4
1999	33,934,000	518,073	15.3	227,965	6.7	43	0.8	2,927	5.6	2,787	5.4
1998	33,387,000	521,265	15.6	225,450	6.8	34	0.7	3,053	5.9	2,994	5.7
1997	32,985,000	524,174	15.9	223,438	6.8	45	0.9	2,996	5.7	3,091	5.9
1996	32,501,000	538,628	16.6	222,308	6.8	30	0.6	3,330	6.2	3,186	5.9
1995	32,291,000	551,226	17.1	222,626	6.9	47	0.9	3,355	6.1	3,478	6.3
1994	32,155,000	567,034	17.6	222,854	6.9	55	1.0	3,299	5.8	3,948	7.0
1993	31,996,000	584,483	18.3	220,271	6.9	45	0.8	3,574	6.1	3,970	6.8
1992	31,719,000	600,838	18.9	214,586	6.8	57	0.9	3,704	6.2	4,174	6.9
1991	31,238,000	609,228	19.5	214,220	6.9	65	1.1	3,834	6.3	4,596	7.5
1990	30,652,000	611,666	20.0	213,766	7.0	55	0.9	3,989	6.5	4,828	7.9
1989	29,142,100	569,308	19.5	215,930	7.4	33	0.6	3,824	6.7	4,853	8.5
1988	28,393,100	532,708	18.8	215,185	7.6	55	1.0	3,527	6.6	4,559	8.6
1987	27,716,900	503,376	18.2	209,395	7.6	28	0.6	3,504	7.0	4,530	9.0
1986	27,052,300	481,905	17.8	202,826	7.5	32	0.7	3,259	6.8	4,298	8.9
1985	26,402,600	470,816	17.8	201,815	7.6	36	0.8	3,171	6.7	4,475	9.5
1984	25,816,300	447,394	17.3	195,470	7.6	27	0.6	3,110	7.0	4,212	9.4
1983	25,336,300	435,722	17.2	188,018	7.4	37	0.8	3,049	7.0	4,226	9.7
1982	24,805,000	429,631	17.3	188,255	7.6	43	1.0	3,333	7.8	4,218	9.8
1981	24,277,700	420,418	17.3	184,732	7.6	38	0.9	3,481	8.3	4,276	10.2
1980	23,780,100	402,720	16.9	186,428	7.8	45	1.1	3,594	8.9	4,451	11.1
1979	23,256,700	379,187	16.3	177,214	7.6	43	1.1	3,372	8.9	4,278	11.3
1978	22,835,600	356,156	15.6	175,878	7.7	39	1.1	3,089	8.7	4,235	11.9
1977	22,351,700	347,576	15.6	170,441	7.6	38	1.1	3,051	8.8	4,192	12.1
1976	21,935,400	332,105	15.1	171,095	7.8	42	1.3	3,193	9.6	4,134	12.4
1975	21,537,800	317,318	14.7	170,797	7.9	47	1.5	3,031	9.6	4,256	13.4
1974	21,174,100	311,668	14.7	170,475	8.1	47	1.5	3,163	10.1	4,274	13.7
1973	20,869,100	297,834	14.3	172,798	8.3	47	1.6	3,039	10.2	4,351	14.6
1972	20,585,000	306,375	14.9	170,026	8.3	54	1.8	3,147	10.3	4,877	15.9
1971	20,346,200	329,826	16.2	169,349	8.3	52	1.6	3,542	10.7	5,440	16.5
1970	20,038,300	362,652	18.1	166,382	8.3	77	2.1	4,082	11.3	6,243	17.2

Note: Maternal deaths are those due to complications of pregnancy, childbirth, and the puerperium (International Classification of Diseases - Rev. 10, Codes O00-O99). Infant deaths are those under one year of age.

Fetal deaths are those of 20 weeks or more gestation.

Source: State of California, Department of Health Services, Birth, Death, and Fetal Death Records.

State of California, Department of Finance, 1970-1989 Population: 1970-1996 Population Estimates with Age, Sex, and Race/Ethnic Detail, January 1998; 1990-2000 Population: Intercensal Estimates of the Population of California: State and Counties 1990-2000, Report I 90-00 July, May 2001. 2001 Population: Population Estimates for California Counties, Report E-2, July 1, 1990 through July 1, 2001, January 2002. 2002 Population: Population Estimates for California Counties, Report E-2, July 1, 2001-July 1, 2002, January 2003. Population for 2002 is provisional.

TABLE 1-2. LIVE BIRTHS, DEATHS, MATERNAL DEATHS, FETAL DEATHS, AND INFANT DEATHS BY AGE, CALIFORNIA COUNTIES, 2002

(By Place of Residence and By Place of Occurrence^a, Infant Deaths By Place of Residence)

(Live birth and death rates are per 1,000 population; fetal mortality ratios and infant mortality rates are per 1,000 live births.)

COUNTY	LIVE BIRTHS		DEATHS		MATERNAL DEATHS		FETAL DEATHS		INFANT DEATHS BY AGE								
	Residence		Residence		Occur-rence	Resi-dence	Occur-rence	Residence	Mortality Ratio	Occur-rence	Total		Neonatal		Postneonatal		
	Number	Rate	Number	Rate							Number	Mortality Rate	Number	Mortality Rate	Number	Mortality Rate	
CALIFORNIA	529,245	15.0	530,204	6.6	233,246	56	56	2,870	5.4	2,887	2,875	5.4	1,922	3.6	953	1.8	
Alameda	21,802	14.6	22,452	9,564	6.4	9,516	1	1	134	6.1	149	91	4.2	58	2.7	33	1.5
Alpine	11	8.9	1	7	5.7	8	-	-	-	-	-	-	-	-	-	-	
Amador	260	7.2	130	371	10.2	378	1	-	3	a,b	2	1	a,b	1	a,b	-	
Butte	2,268	10.9	2,743	2,253	10.8	2,394	-	-	14	6.2	16	18	7.9	11	4.9	7	3.1
Calaveras	338	8.0	185	419	9.9	294	-	-	2	a,b	3	2	a,b	1	a,b	1	a,b
Colusa	307	15.7	157	137	7.0	114	-	-	-	-	-	2	a,b	2	a,b	-	
Contra Costa	13,315	13.5	11,709	7,025	7.1	6,893	-	-	66	5.0	53	55	4.1	35	2.6	20	1.5
Del Norte	288	10.3	307	259	9.3	300	-	-	3	a,b	2	2	a,b	1	a,b	1	a,b
El Dorado	1,765	10.7	1,164	1,191	7.2	968	-	-	8	4.5	2	12	6.8	7	4.0	5	2.8
Fresno	14,766	17.7	15,981	5,785	6.9	6,154	1	3	73	4.9	91	102	6.9	71	4.8	31	2.1
Glenn	408	15.2	3	229	8.5	141	-	-	-	-	-	2	a,b	1	a,b	1	a,b
Humboldt	1,420	11.1	1,438	1,214	9.5	1,198	-	-	7	4.9	7	9	6.3	7	4.9	2	a
Imperial	2,662	17.5	2,598	916	6.0	826	-	-	18	6.8	19	10	3.8	9	3.4	1	a
Inyo	173	9.5	169	219	12.0	197	-	-	-	-	-	-	-	-	-	-	
Kern	12,211	17.5	11,745	5,104	7.3	4,915	2	3	81	6.6	73	76	6.2	47	3.8	29	2.4
Kings	2,311	17.2	2,462	729	5.4	652	1	-	18	7.8	13	15	6.5	13	5.6	2	a
Lake	636	10.4	451	708	11.6	576	-	-	3	a,b	-	4	a,b	3	a,b	1	a,b
Lassen	301	8.8	233	222	6.5	166	-	-	3	a,b	3	5	b	3	a,b	2	a,b
Los Angeles	151,167	15.3	156,476	59,586	6.0	60,664	25	23	813	5.4	854	825	5.5	538	3.6	287	1.9
Madera	2,147	16.3	1,435	877	6.7	776	-	-	16	7.5	9	13	6.1	10	4.7	3	a
Marin	2,772	11.1	1,911	1,840	7.4	1,866	1	1	14	5.1	9	10	3.6	7	2.5	3	a
Mariposa	130	7.5	9	173	9.9	111	-	-	2	a,b	-	1	a,b	1	a,b	-	
Mendocino	1,078	12.3	996	819	9.3	733	1	1	7	6.5	6	8	7.4	5	4.6	3	a
Merced	4,030	18.1	3,259	1,442	6.5	1,219	1	1	34	8.4	28	28	6.9	19	4.7	9	2.2
Modoc	67	7.2	32	97	10.4	66	-	-	1	a,b	1	-	-	-	-	-	
Mono	138	10.3	104	51	3.8	54	-	-	1	a,b	1	1	a,b	-	-	1	a,b
Monterey	7,119	17.3	6,611	2,383	5.8	2,294	-	-	36	5.1	35	45	6.3	28	3.9	17	2.4
Napa	1,571	12.2	1,179	1,262	9.8	1,261	-	-	11	7.0	7	6	3.8	6	3.8	-	
Nevada	823	8.6	969	961	10.0	894	1	-	-	-	2	2	a,b	1	a,b	1	a,b
Orange	44,796	15.2	47,050	16,789	5.7	17,256	1	2	237	5.3	242	216	4.8	150	3.3	66	1.5
Placer	3,484	12.9	2,802	2,117	7.8	2,478	-	1	11	3.2	7	19	5.5	13	3.7	6	1.7
Plumas	183	8.7	99	201	9.6	179	-	-	3	a,b	-	2	a,b	-	-	2	a,b
Riverside	26,691	15.9	24,261	12,830	7.7	12,421	2	-	125	4.7	108	170	6.4	110	4.1	60	2.2
Sacramento	19,243	14.8	21,743	9,578	7.4	10,182	4	5	108	5.6	138	118	6.1	71	3.7	47	2.4
San Benito	920	16.4	582	252	4.5	180	-	-	5	b	2	4	a,b	2	a,b	2	a,b
San Bernardino	29,696	16.4	25,337	11,602	6.4	12,025	5	7	160	5.4	144	226	7.6	145	4.9	81	2.7
San Diego	43,951	15.0	45,653	19,356	6.6	20,000	3	3	207	4.7	215	197	4.5	130	3.0	67	1.5
San Francisco	8,361	10.6	12,420	6,281	8.0	6,481	1	1	61	7.3	92	38	4.5	24	2.9	14	1.7
San Joaquin	10,162	16.8	9,628	4,588	7.6	4,503	-	-	66	6.5	64	74	7.3	60	5.9	14	1.4
San Luis Obispo	2,368	9.3	2,334	2,037	8.0	1,992	-	-	12	5.1	18	7	3.0	6	2.5	1	a
San Mateo	10,091	14.1	5,473	4,674	6.5	4,656	-	-	51	5.1	28	40	4.0	31	3.1	9	0.9
Santa Barbara	5,698	14.0	5,860	2,927	7.2	2,963	-	-	33	5.8	28	26	4.6	18	3.2	8	1.4
Santa Clara	27,060	15.7	31,485	8,642	5.0	9,465	-	-	138	5.1	156	97	3.6	73	2.7	24	0.9
Santa Cruz	3,334	12.9	3,610	1,614	6.2	1,597	-	-	18	5.4	17	13	3.9	6	1.8	7	2.1
Shasta	1,963	11.5	2,022	1,924	11.2	2,120	-	-	5	2.5	6	15	7.6	7	3.6	8	4.1
Sierra	30	8.5	-	40	11.4	45	-	-	-	-	-	-	-	-	-	-	
Siskiyou	411	9.3	315	492	11.1	442	-	-	3	a,b	3	-	-	-	-	-	
Solano	5,851	14.3	5,600	2,633	6.4	2,515	1	1	43	7.3	35	46	7.9	33	5.6	13	2.2
Sonoma	5,679	12.1	5,862	3,864	8.2	3,875	1	1	24	4.2	26	29	5.1	21	3.7	8	1.4
Stanislaus	7,929	16.6	8,770	3,727	7.8	3,957	-	-	53	6.7	58	62	7.8	48	6.1	14	1.8
Sutter	1,263	15.3	2,097	709	8.6	481	-	-	5	4.0	9	7	5.5	4	a	3	a
Tehama	711	12.4	626	598	10.4	437	-	-	2	a,b	-	5	b	2	a,b	3	a,b
Trinity	106	8.1	18	143	10.9	95	-	-	-	-	-	-	-	-	-	-	
Tulare	7,419	19.4	6,549	2,699	7.1	2,490	1	-	35	4.7	30	42	5.7	25	3.4	17	2.3
Tuolumne	442	7.9	508	609	10.8	560	1	1	1	a,b	1	-	-	-	-	-	
Ventura	11,606	14.8	10,748	4,818	6.1	4,511	-	1	71	6.1	66	58	5.0	48	4.1	10	0.9
Yolo	2,384	13.3	1,836	1,130	6.3	1,001	1	-	16	6.7	8	10	4.2	7	2.9	3	a
Yuba	1,129	18.1	7	529	8.5	645	-	-	9	8.0	1	9	8.0	3	a	6	5.3

^a By place of occurrence: The place where the event occurred (regardless of place of residence).

By place of residence: The place a person lives or maintains legal residency. For live births, the mother's residence is used.

- Represents zero events.

a Rates and ratios are not calculated for fewer than five events.

b Infant mortality rates and fetal mortality ratios are not calculated for counties reporting fewer than 1,000 births.

Note: Fetal deaths of 20 weeks or more gestation are required by law to be registered. Maternal deaths are those due to complications of pregnancy, childbirth, and the puerperium, (International Classification of Diseases - Rev. 10, Codes O00-O99). Infant deaths are those under one year. Neonatal deaths are those under 28 days. Postneonatal deaths are those occurring between the 28th day and the end of the first year of life.

Source: State of California, Department of Health Services, Birth, Death and Fetal Death Records.

State of California, Department of Finance, 2002 Population: Population Estimates for California Counties, Report E-2, July 1, 2001-July 1, 2002, January 2003.

Population for 2002 is provisional.

TABLE 1-3. LIVE BIRTHS, DEATHS, MATERNAL DEATHS, FETAL DEATHS, AND INFANT DEATHS BY AGE, CALIFORNIA AND SELECTED CITY HEALTH DEPARTMENTS, 2002
 (By Place of Residence and By Place of Occurrence, Infant Deaths By Place of Residence)

(Live birth and death rates are per 1,000 population; fetal mortality ratios and infant mortality rates are per 1,000 live births.)

COUNTY	LIVE BIRTHS				DEATHS				MATERNAL DEATHS				FETAL DEATHS				INFANT DEATHS BY AGE				
	Residence		Number	Rate	Residence		Occur-rence	Resi-dence	Residence		Mortality Ratio	Occur-rence	Residence		Mortality Rate	Number	Neonatal Mortality Rate	Number	Mortality Rate	Postneonatal Number	Mortality Rate
	Number	Rate			Number	Rate			Number	Rate			Number	Rate							
CALIFORNIA	529,245	14.9	530,204	233,246	6.6	235,180	56	56	2,870	5.4	2,887	2,875	5.4	1,922	3.6	953	1.8				
ALAMEDA	21,802	14.6	22,452	9,564	6.4	9,516	1	1	134	6.1	149	91	4.2	58	2.7	33	1.5				
Berkeley ¹	900	8.6	7,391	648	6.2	885	-	-	7	b	74	2	a,b	1	a,b	1	a,b				
LOS ANGELES	151,167	15.1	156,476	59,586	6.0	60,664	25	23	813	5.4	854	825	5.5	538	3.6	287	1.9				
Long Beach ¹	7,913	16.5	9,250	3,211	6.7	3,581	-	-	55	7.0	63	34	4.3	23	2.9	11	1.4				
Pasadena ¹	2,173	15.3	4,138	1,120	7.9	1,307	-	1	19	8.7	18	9	4.1	6	2.8	3	a				

* By place of occurrence: The place where the event occurred (regardless of place of residence).

By place of residence: The place a person lives or maintains legal residency. For live births, the mother's residence is used.

- Represents zero events.

a Rates and ratios are not calculated for fewer than five events.

b Fetal mortality ratios and infant mortality rates are not calculated when there are fewer than 1,000 births.

¹ City Health Department numbers are included in their respective county totals.

Note: Infant deaths are those under one year. Neonatal deaths are those under 28 days. Postneonatal deaths are those occurring between the 28th day and the end of the first year of life. Fetal deaths of 20 weeks or more gestation are required by law to be registered. Maternal deaths are those due to complications of pregnancy, childbirth, and the puerperium. International Classification of Diseases (Rev. 10) codes 000-099.

Source: State of California, Department of Health Services, Birth, Death, and Fetal Death Records.

State of California, Department of Finance, 2002 Population: Report E-1 City/County Population Estimates, January 1, 2002 and 2003, May 2003.

TABLE 1-4. COMPARISON OF VITAL STATISTICS RATES, CALIFORNIA AND UNITED STATES, 1980-2002 (By Place of Residence)
 (Birth and death rates are per 1,000 population; general fertility rates are per 1,000 women of childbearing age (15-44 years); total fertility rates are sums of
 birth rates for 5-year age groups multiplied by 5; infant and neonatal mortality rates are per 1,000 live births.)

YEAR	BIRTH RATE		GENERAL FERTILITY RATE		TOTAL FERTILITY RATE		DEATH RATE		INFANT MORTALITY RATE		NEONATAL MORTALITY RATE	
	California	United States	California	United States	California	United States	California	United States	California	United States	California	United States
2002	15.0	13.9	71.0	64.8	2,226	2,013	6.6	8.5	5.4	7.0	3.6	4.7
2001	15.2	14.5	71.1	66.9	2,232	2,115	6.7	8.5	5.3	6.9	3.6	4.6
2000	15.4	14.7	71.9	67.5	2,255	2,130	6.6	8.7	5.4	6.9	3.7	4.6
1999	15.3	14.5	70.5	65.9	2,207	2,075	6.7	8.8	5.4	7.1	3.6	4.7
1998	15.6	14.6	71.2	65.6	2,221	2,059	6.8	8.6	5.7	7.2	3.8	4.8
1997	15.9	14.5	72.2	65.0	2,237	2,033	6.8	8.6	5.9	7.2	3.9	4.8
1996	16.6	14.7	74.7	65.3	2,302	2,027	6.8	8.7	5.9	7.3	3.8	4.8
1995	17.1	14.8	76.3	65.6	2,326	2,019	6.9	8.8	6.3	7.6	3.9	4.9
1994	17.6	15.2	78.1	66.7	2,355	2,036	6.9	8.8	7.0	8.0	4.4	5.1
1993	18.3	15.5	80.1	67.6	2,387	2,046	6.9	8.8	6.8	8.4	4.2	5.3
1992	18.9	15.9	82.0	68.9	2,416	2,065	6.8	8.5	6.9	8.5	4.2	5.4
1991	19.5	16.3	83.5	69.6	2,445	2,073	6.9	8.6	7.5	8.9	4.6	5.6
1990	20.0	16.7	84.7	70.9	2,444	2,081	7.0	8.6	7.9	9.2	4.8	5.8
1989	19.5	16.4	80.4	69.2	2,293	2,014	7.4	8.7	8.5	9.8	5.2	6.2
1988	18.8	16.0	76.9	67.3	2,174	1,934	7.6	8.9	8.6	10.0	5.1	6.3
1987	18.2	15.7	74.2	65.8	2,080	1,872	7.6	8.8	9.0	10.1	5.5	6.5
1986	17.8	15.6	72.7	65.4	2,022	1,838	7.5	8.8	8.9	10.4	5.6	6.7
1985	17.8	15.8	72.9	66.3	2,014	1,844	7.6	8.8	9.5	10.6	6.0	7.0
1984	17.3	15.6	71.1	65.5	1,950	1,807	7.6	8.6	9.4	10.8	5.9	7.0
1983	17.2	15.6	70.8	65.7	1,930	1,799	7.4	8.6	9.7	11.2	6.2	7.3
1982	17.3	15.9	71.5	67.3	1,933	1,828	7.6	8.5	9.8	11.5	6.3	7.7
1981	17.3	15.8	71.7	67.3	1,925	1,812	7.6	8.6	10.2	11.9	6.4	8.0
1980	16.9	15.9	70.4	68.4	1,885	1,840	7.8	8.8	11.1	12.6	7.2	8.5

Source: State of California, Department of Health Services, Birth and Death Records.

State of California, Department of Finance, 1970-1996 Race/Ethnic Population Estimates with Age and Sex Del January 1998; 1997 and 1998 Population Estimates for California and Counties, Report E-2, May 2001, 1999-2002 Population: 1997-2040 Population Projections with Age, Sex, and Race/Ethnic Detail, December 1998.

National Center for Health Statistics, National Vital Statistics Reports: Births: Final Data for 2002, Vol. 52, No. 10, December 2003; National Center for Health Statistics, National Vital Statistics Reports: Deaths: Preliminary Data for 2002, Vol. 52, No. 13, February 2004.

TABLE 1-5. GENERAL FERTILITY RATES, TOTAL FERTILITY RATES, AND BIRTH RATES BY AGE OF MOTHER,
CALIFORNIA AND UNITED STATES, 1980-2002 (By Place of Residence)

(General fertility rates are per 1,000 women of childbearing age (15-44 years); total fertility rates are sums of birth rates
for 5-year age groups multiplied by 5; age-specific birth rates are per 1,000 women in specified age groups.)

YEAR	GENERAL FERTILITY RATE	TOTAL FERTILITY RATE	BIRTH RATE BY AGE OF MOTHER							
			Under 15 ¹	15-19	20-24	25-29	30-34	35-39	40-44	45 and Over ²
CALIFORNIA										
2002	71.0	2,225.8	0.5	41.6	107.9	127.5	105.7	50.9	11.6	0.9
2001	71.1	2,231.7	0.6	45.1	110.9	127.2	102.3	49.6	11.3	0.9
2000	71.9	2,255.5	0.7	48.1	114.8	127.0	101.5	48.5	11.2	0.8
1999	70.5	2,206.6	0.9	50.2	116.3	122.5	95.8	46.0	10.4	0.8
1998	71.2	2,221.2	0.9	53.6	119.8	122.3	93.1	45.0	10.4	0.7
1997	72.2	2,236.7	1.1	56.7	122.8	121.6	91.4	44.4	10.4	0.7
1996	74.7	2,302.2	1.3	61.6	128.1	123.6	92.6	44.0	10.5	0.6
1995	76.3	2,326.2	1.5	67.2	128.2	123.9	91.9	43.7	10.3	0.7
1994	78.1	2,355.3	1.6	70.2	130.0	125.3	91.9	43.5	10.1	0.7
1993	80.1	2,386.9	1.5	71.3	132.8	127.5	92.4	43.5	9.8	0.6
1992	82.0	2,416.1	1.5	71.7	134.8	128.8	93.8	44.5	9.7	0.6
1991	83.5	2,445.4	1.5	72.9	135.7	132.2	94.3	44.6	9.4	0.6
1990	84.7	2,444.2	1.4	70.0	135.4	133.4	96.6	44.2	9.1	0.6
1989	80.4	2,293.3	1.4	62.7	125.0	128.5	92.0	41.8	8.5	0.4
1988	76.9	2,174.4	1.2	56.2	117.0	125.0	89.5	39.4	7.8	0.5
1987	74.2	2,080.0	1.1	51.9	112.8	121.5	86.1	36.5	7.3	0.5
1986	72.7	2,022.2	1.0	50.0	112.5	119.0	82.6	33.8	6.6	0.4
1985	72.9	2,013.5	1.0	49.3	113.1	120.0	81.4	32.8	6.2	0.4
1984	71.1	1,949.5	1.0	48.3	111.8	116.2	77.0	30.6	6.0	0.4
1983	70.8	1,930.3	0.9	49.1	113.0	114.5	74.4	29.3	5.7	0.4
1982	71.5	1,933.4	0.9	51.2	116.1	115.1	71.1	27.7	5.5	0.4
1981	71.7	1,924.6	1.0	52.9	117.4	114.1	69.1	26.0	5.5	0.3
1980	70.4	1,885.2	0.9	52.4	116.2	111.2	67.4	24.7	5.1	0.3
UNITED STATES										
2002	64.8	2,013.0	0.7	43.0	103.6	113.6	91.5	41.4	8.3	0.5
2001	66.9	2,114.5	0.8	45.8	109.9	121.3	95.2	41.3	8.1	0.5
2000	66.5	2,130.0	0.9	48.5	112.3	121.4	94.1	40.4	7.9	0.5
1999	65.9	2,075.0	0.9	49.6	111.0	117.8	89.6	38.3	7.4	0.4
1998	65.6	2,058.5	1.0	51.1	111.2	115.9	87.4	37.4	7.3	0.4
1997	65.0	2,032.5	1.1	52.3	110.4	113.8	85.3	36.1	7.1	0.4
1996	65.3	2,027.0	1.2	54.4	110.4	113.1	83.9	35.3	6.8	0.3
1995	65.6	2,019.0	1.3	56.8	109.8	112.2	82.5	34.3	6.6	0.3
1994	66.7	2,036.0	1.4	58.9	111.1	113.9	81.5	33.7	6.4	0.3
1993	67.6	2,046.0	1.4	59.6	112.6	115.5	80.8	32.9	6.1	0.3
1992	68.9	2,065.0	1.4	60.7	114.6	117.4	80.2	32.5	5.9	0.3
1991	69.6	2,073.0	1.4	62.1	115.7	118.2	79.5	32.0	5.5	0.2
1990	70.9	2,081.0	1.4	59.9	116.5	120.2	80.8	31.7	5.5	0.2
1989	69.2	2,014.0	1.4	57.3	113.8	117.6	77.4	29.9	5.2	0.2
1988	67.3	1,934.0	1.3	53.0	110.2	114.4	74.8	28.1	4.8	0.2
1987	65.8	1,872.0	1.3	50.6	107.9	111.6	72.1	26.3	4.4	0.2
1986	65.4	1,837.5	1.3	50.2	107.4	109.8	70.1	24.4	4.1	0.2
1985	66.3	1,844.0	1.2	51.0	108.3	111.0	69.1	24.0	4.0	0.2
1984 ^a	65.5	1,806.5	1.2	50.6	106.8	108.7	67.0	22.9	3.9	0.2
1983 ^a	65.7	1,799.0	1.1	51.4	107.8	108.5	64.9	22.0	3.9	0.2
1982 ^a	67.3	1,827.5	1.1	52.4	111.6	111.0	64.1	21.2	3.9	0.2
1981 ^a	67.3	1,812.0	1.1	52.2	112.2	111.5	61.4	20.0	3.8	0.2
1980 ^a	68.4	1,839.5	1.1	53.0	115.1	112.9	61.9	19.8	3.9	0.2

¹ For women under 15, the rate is calculated using the female population 10-14 years of age.

² For women 45 and over, the rate is calculated using female population 45-49 years of age.

^a Based on 100 percent of births for selected states and a 50 percent sample of births for all other states.

Source: State of California, Department of Health Services, Birth Records.
State of California, Department of Finance, 1970-1996 Race/Ethnic Population Estimates with Age and Sex Detail, January 1998.
1997 Population Estimates by Age, Sex, and Race/Ethnic Groups, June 1999; 1998 Population Estimates by Age, Sex, and
Race/Ethnic Group, May 2000. 1999-2002 Population: Population Projections by Age, Sex, and Race/Ethnic Detail, December 1998.
National Center for Health Statistics, National Vital Statistics Reports: Births: Final Data for 2002, Vol. 52, No. 10, December 2003.

TABLE 1-6. COMPARISON OF PERCENT OF BIRTHS WITH SELECTED DEMOGRAPHIC AND MEDICAL CHARACTERISTICS,
CALIFORNIA¹ AND UNITED STATES, 1990-2002 (By Place of Residence)

YEAR	PERCENTAGE OF DEMOGRAPHIC CHARACTERISTICS							
	Mother Under 20 Years of Age		Mother Completed 12 Years or More of School		Mother Born in the United States		Unmarried Mother ¹	
	California	United States	California	United States	California	United States	California	United States
2002	9.6	10.8	71.2	78.5	53.5	76.7	33.0	34.0
2001	10.2	11.3	70.3	78.3	53.7	77.5	32.7	33.5
2000	10.6	11.8	70.2	78.3	54.3	78.6	32.7	33.2
1999	11.1	12.3	69.6	78.3	55.4	79.8	32.9	33.0
1998	11.4	12.5	69.0	78.1	56.0	80.5	32.8	32.8
1997	11.7	12.7	67.8	77.9	55.1	80.7	33.0	32.4
1996	12.0	12.9	66.5	77.6	54.7	80.8	31.4	32.4
1995	12.4	13.1	66.0	77.4	55.5	81.5	32.1	32.2
1994	12.3	13.1	65.2	77.1	55.5	81.5	35.6	32.6
1993	12.0	12.8	65.0	76.7	55.2	82.4	35.1	31.0
1992	11.8	12.7	64.6	76.4	55.6	83.0	34.2	30.1
1991	11.8	12.9	64.9	75.7	57.1	83.5	33.3	29.5
1990	11.6	12.8	66.0	76.1	59.1	84.3	31.4	28.1

YEAR	PERCENTAGE OF MEDICAL CHARACTERISTICS							
	Late or No Prenatal Care ²		Preterm Birth ³		Cesarean Births		Low Birthweight ⁴	
	California	United States	California	United States	California	United States	California	United States
2002	2.6	3.6	10.5	12.1	26.8	26.1	6.4	7.8
2001	2.9	3.7	10.4	11.9	25.1	24.4	6.3	7.7
2000	3.1	3.9	10.4	11.6	23.4	22.9	6.2	7.6
1999	3.2	3.8	10.5	11.8	22.7	22.0	6.1	7.6
1998	3.6	3.9	10.6	11.6	21.7	21.2	6.2	7.6
1997	3.7	3.9	10.4	11.4	21.0	20.8	6.1	7.5
1996	3.8	4.0	10.3	11.0	20.6	20.7	6.1	7.4
1995	4.6	4.2	10.3	11.0	20.6	20.8	6.1	7.3
1994	4.9	4.4	10.2	11.0	20.8	21.2	6.2	7.3
1993	5.0	4.8	10.2	11.0	21.3	21.8	6.0	7.2
1992	5.3	5.2	10.0	10.7	21.6	22.3	5.9	7.1
1991	6.3	5.8	10.0	10.8	22.3	22.6	5.8	7.1
1990	7.0	6.1	10.0	10.6	22.3	22.7	5.8	7.0

¹ Unmarried status in California was inferred prior to 1997. See Chapter 6.

² Third trimester or no prenatal care.

³ Birth prior to 37 completed weeks of gestation.

⁴ Birthweight of less than 2,500 grams (5.5 pounds).

[†] Births with unknown values were subtracted from total births prior to calculation of percentages. This represents a change in methodology from tables done prior to 2000, and provides more appropriate comparison data with U.S. percents.

Source: State of California, Department of Health Services, Birth Records.
National Center for Health Statistics, National Vital Statistics Reports: Births: Final Data for 2002, Vol. 52, No. 10, December 2003.

TABLE 1-7. DEATHS, AGE-ADJUSTED DEATH RATES BY SEX, INFANT MORTALITY RATES, AGE-SPECIFIC DEATH RATES, AND PERCENT CHANGE IN DEATHS AND RATES, CALIFORNIA AND UNITED STATES, 2001-2002 (By Place of Residence)

DEATHS	CALIFORNIA				UNITED STATES					
	2001 Number	Rates* Rates*	2002 Number	Rates* Rates*	2001 Number	Rates* Rates*	2002 Number	Rates* Rates*	Percent Change Number	Percent Change Rate
Age-Adjusted Rates										
Total	232,790	749.3	233,246	732.8	0.2	-2.2	2,417,762	855.0	2,447,864	846.8
Males	116,000	884.5	116,768	867.1	0.7	-2.0	1,183,721	1,029.5	1,201,010	1,015.3
Females	116,790	642.1	116,478	626.2	-0.3	-2.5	1,234,041	722.4	1,246,854	716.7
Age-Specific Rates										
Under 1	2,815	533.8	2,875	543.2	2.1	1.8	27,801	689.2	27,974	696.0
1-4	537	23.9	526	23.3	-2.0	-2.7	5,125	33.4	4,862	31.2
5-14	778	13.7	790	13.7	1.5	-0.1	7,100	17.3	7,169	17.5
15-24	3,409	71.7	3,452	70.8	1.3	-1.3	32,157	80.5	33,075	81.5
25-34	4,344	88.3	4,302	88.2	-1.0	-0.1	41,474	104.7	41,375	103.6
35-44	9,261	160.6	9,209	159.8	-0.6	-0.5	91,457	203.2	91,005	202.6
45-54	17,342	371.0	17,344	361.7	a	-2.5	167,836	428.3	172,213	429.6
55-64	23,345	815.5	24,135	793.4	3.4	-2.7	244,002	964.1	253,728	953.8
65-74	39,705	2,008.8	38,849	1,943.5	-2.2	-3.2	431,306	2,355.2	424,107	2,320.8
75-84	67,570	5,051.8	67,472	4,960.1	-0.1	-1.8	702,657	5,588.2	709,351	5,570.3
85 +	63,579	13,580.1	64,222	13,283.0	1.0	-2.2	666,456	15,133.8	682,634	14,862.3
Not Stated	105	70		-33.3			390		367	-5.9

* Rates for Total, Male, and Female are age-adjusted to the 2000 U.S. Standard Population. Rates for infants (under 1) are per 100,000 live births.
All other rates are per 100,000 population in the specific age group.

a Less than 0.05.

Source: State of California, Department of Health Services, Death Records.
National Center for Health Statistics, National Vital Statistics Reports: Deaths: Preliminary Data for 2001, Vol. 51, No. 5, March, 2003.
National Center for Health Statistics, National Vital Statistics Reports: Deaths: Preliminary Data for 2002, Vol. 52, No. 13, February, 2004.

TABLE 1-8. DEATHS, PERCENT OF DEATHS, DEATH RATES, AND AGE-ADJUSTED DEATH RATES FOR LEADING CAUSES OF DEATH, CALIFORNIA AND UNITED STATES, 2002 (By Place of Residence)

ICD CODES REV. 10	CAUSE OF DEATH	TOTAL DEATHS - CALIFORNIA				TOTAL DEATHS - UNITED STATES					
		RANK	DEATHS	PERCENT	DEATH RATE	AGE-ADJUSTED DEATH RATE	RANK	DEATHS	PERCENT	DEATH RATE	AGE-ADJUSTED DEATH RATE
A00-Y89	All Causes		233,246	100.0	651.5	732.8		2,447,862	100.0	848.9	846.8
100-109, I11, I13, I20-I51	Diseases of Heart	1	68,387	29.3	191.0	218.2	1	695,754	28.4	241.3	240.4
C00-C97	Malignant Neoplasms	2	53,926	23.1	150.6	169.6	2	558,847	22.8	193.8	194.0
I60-I69	Cerebrovascular Diseases	3	17,551	7.5	49.0	56.3	3	163,010	6.7	56.5	56.3
J40-J47	Chronic Lower Respiratory Diseases	4	12,643	5.4	35.3	40.7	4	125,500	5.1	43.5	43.7
V01-X59, Y85-Y86	Accidents	5	9,882	4.2	27.6	28.8	5	102,303	4.2	35.5	35.3
J10-J18	Influenza & Pneumonia	6	8,098	3.5	22.6	26.0	7	65,984	2.7	22.9	22.7
E10-E14	Diabetes	7	6,783	2.9	18.9	21.5	6	73,119	3.0	25.4	25.4
G30	Alzheimer's Disease	8	5,405	2.3	15.1	17.5	8	58,785	2.4	20.4	20.2
K70, K73-K74	Chronic Liver Disease & Cirrhosis	9	3,725	1.6	10.4	11.1	-	27,045	1.1	9.4	9.3
U03, X60-X84, Y87.0	Intentional Self-Harm (Suicide)	10	3,210	1.4	9.0	9.4	-	30,646	1.3	10.6	10.6
RESIDUAL	All Other Causes		43,636	18.7				546,869	22.3		

- Not among the ten leading causes for the United States.

Note: The leading causes are presented in 2002 ranking for California deaths.
 Percents are rounded independently and may not add to totals.

Age-adjusted death rates are calculated using the 2000 U.S. Standard Population.

Source: State of California, Department of Health Services, Death Records.
 State of California, Department of Finance, 2002 Population: 1997-2040 Population Projections with Age, Sex, and Race/Ethnic Detail, December 1998.
 National Center for Health Statistics, National Vital Statistics Reports: Deaths: Preliminary Data for 2002, Vol. 52, No. 13, February, 2004.

TABLE 1-9. NUMBER AND PERCENT OF INFANT DEATHS AND INFANT MORTALITY RATES FOR LEADING CAUSES OF INFANT DEATH,
CALIFORNIA AND UNITED STATES, 2002 (By Place of Residence)
(Infant mortality rates are per 100,000 live births.)

ICD CODES REV. 10	CAUSE OF DEATH	TOTAL INFANT DEATHS - CALIFORNIA				TOTAL INFANT DEATHS - UNITED STATES			
		RANK	DEATHS	PERCENT	MORTALITY RATE	RANK	DEATHS	PERCENT	MORTALITY RATE
A00-Y89	All Causes		2,875	100.0	543.2		27,974	100.0	696.0
Q00-Q99	Congenital Malformations, Deformations, and Chromosomal Abnormalities	1	723	25.1	136.6	1	5,655	20.2	140.7
P07	Disorders of Short Gestation and Low Birthweight	2	412	14.3	77.8	2	4,598	16.4	114.4
R95	Sudden Infant Death Syndrome	3	168	5.8	31.7	3	2,035	7.3	50.6
P01	Effect of Maternal Complications of Pregnancy	4	113	3.9	21.4	4	1,723	6.2	42.9
P02	Complications of Placenta, Cord, and Membrane	5	100	3.5	18.9	5	1,017	3.6	25.3
P22	Respiratory Distress of Newborn	6	82	2.9	15.5	6	958	3.4	23.8
I00-I99	Diseases of Circulatory System	7	69	2.4	13.0	9	649	2.3	16.1
P20-P21	Intrauterine Hypoxia & Birth Asphyxia	8	63	2.2	11.9	10	578	2.1	14.4
V01-X59	Accidents	9	57	2.0	10.8	7	893	3.2	22.2
P36	Bacterial Sepsis of Newborn	10	46	1.6	8.7	8	734	2.6	18.3
RESIDUAL	All Other Causes		1,042	36.2			9,134	32.7	

Note: The leading causes are presented in 2002 ranking for California infant deaths.

Percent are rounded independently and may not add to totals.

Source: State of California, Department of Health Services, Birth and Death Records.
National Center for Health Statistics, National Vital Statistics Reports: Deaths: Preliminary Data for 2002, Vol. 52, No. 13, February, 2004.

TABLE 1-10. BIRTHS, PERINATAL AND INFANT DEATHS, AND DEATH RATES BY BIRTHWEIGHT, CALIFORNIA, 2001
 (By Place of Residence) (Based on 2001 Birth Cohort File)

BIRTHWEIGHT IN GRAMS	BIRTHS		PERINATAL DEATHS			INFANT DEATHS	
	Total Births	Live Births	Total Perinatal Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths	Total Infant Deaths
TOTAL	530,405	527,452	4,845	2,953	1,892	927	2,819
UNDER 500 GRAMS	1,469	642	1,334	827	507	8	515
500-999 GRAMS	2,939	2,304	1,202	635	567	123	690
1000-1499 GRAMS	3,413	3,137	395	276	119	45	164
1500-2499 GRAMS	27,640	27,144	760	496	264	163	427
2500 GRAMS AND OVER	494,837	494,180	1,060	657	403	580	983
UNKNOWN	107	45	94	62	32	8	40

BIRTHWEIGHT IN GRAMS	PERINATAL DEATH RATES			INFANT DEATH RATES		
	Total Perinatal Death Rates	Fetal Death Rates	Neonatal Death Rates	Post- Neonatal Death Rates	Total Infant Death Rates	
TOTAL ¹	9.1	5.6	3.6	1.8	5.3	
UNDER 500 GRAMS	908.1	563.0	a	a	a	
500-999 GRAMS	409.0	216.1	246.1	53.4	299.5	
1000-1499 GRAMS	115.7	80.9	37.9	14.3	52.3	
1500-2499 GRAMS	27.5	18.0	9.7	6.0	15.7	
2500 GRAMS AND OVER	2.1	1.3	0.8	1.2	2.0	

¹ Includes unknown birthweight.

a Rates not calculated for fewer than 1,000 births.

Note: Total births are live births plus fetal deaths of 20 weeks or more gestation.

Neonatal deaths are deaths under 28 days of age.

Perinatal deaths are neonatal deaths plus fetal deaths of 20 weeks or more gestation.

Postneonatal deaths are deaths occurring between the 28th day and the end of the first year of life.

Infant deaths are under one year of age.

Fetal and perinatal death rates are per 1,000 total births.

Neonatal, postneonatal, and infant death rates are per 1,000 live births.

Death rates based on small numbers are highly unreliable.

Rates are not shown for unknown categories.

Source: State of California, Department of Health Services, Birth Cohort Files.

TABLE 1-11. BIRTHS, PERINATAL AND INFANT DEATHS, AND DEATH RATES BY METHOD OF DELIVERY, CALIFORNIA, 2001
 (By Place of Residence) (Based on 2001 Birth Cohort File)

METHOD OF DELIVERY	BIRTHS		PERINATAL DEATHS			INFANT DEATHS		
	Total Births	Live Births	Total Perinatal Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Total Infant Deaths	
TOTAL	530,405	527,452	4,845	2,953	1,892	927	2,819	
CESAREAN	132,859	132,477	1,069	382	687	375	1,062	
VAG-AFTER CS	6,665	6,606	92	59	33	10	43	
VAGINAL	390,762	388,311	3,574	2,451	1,123	533	1,656	
UNKNOWN	119	58	110	61	49	9	58	

METHOD OF DELIVERY	PERINATAL DEATHS			INFANT DEATHS		
	Total Perinatal Death Rates	Fetal Death Rates	Neonatal Death Rates	Post-Neonatal Death Rates	Total Infant Death Rates	
TOTAL ¹	9.1	5.6	3.6	1.8	5.3	
CESAREAN	8.0	2.9	5.2	2.8	8.0	
VAG-AFTER CS	13.8	8.9	5.0	1.5	6.5	
VAGINAL	9.1	6.3	2.9	1.4	4.3	

¹ Includes unknown method of delivery.

Note: Total births are live births plus fetal deaths of 20 weeks or more gestation.

Neonatal deaths are deaths under 28 days of age.

Perinatal deaths are neonatal deaths plus fetal deaths of 20 weeks or more gestation.

Postneonatal deaths are deaths occurring between the 28th day and the end of the first year of life.

Infant deaths are under one year of age.

Fetal and perinatal death rates are per 1,000 total births.

Neonatal, postneonatal, and infant death rates are per 1,000 live births.

Death rates based on small numbers are highly unreliable.

Rates are not shown for unknown categories.

Source: State of California, Department of Health Services, Birth Cohort Files.

TABLE 1-12. BIRTHS, INFANT DEATHS, AND DEATH RATES BY RACE/ETHNIC GROUP¹ OF MOTHER,
CALIFORNIA, 2001 (By Place of Residence) (Based on 2001 Birth Cohort File)

RACE/ETHNIC GROUP OF MOTHER	LIVE BIRTHS	INFANT DEATHS			
		Early Neonatal Deaths	Late Neonatal Deaths	Post- Neonatal Deaths	Total Infant Deaths
TOTAL	527,452 261,022	1,486 696	406 195	927 439	2,819 1,330
HISPANIC					
NON-HISPANIC					
2 OR MORE RACE GROUPS					
AMERICAN INDIAN	6,388	15	4	13	32
ASIAN/PACIFIC ISLANDER	1,986	5	1	10	16
BLACK	59,800	124	34	92	250
WHITE	30,971	184	47	113	344
OTHER	163,787	393	121	244	758
UNKNOWN	219	2	-	1	3
	3,279	67	4	15	86
RACE/ETHNIC GROUP OF MOTHER		INFANT DEATH RATES			
TOTAL ²		Early Neonatal Death Rates	Late Neonatal Death Rates	Post- Neonatal Death Rates	Total Infant Death Rates
		2.8 2.7	0.8 0.7	1.8 1.7	5.3 5.1
HISPANIC					
NON-HISPANIC					
2 OR MORE RACE GROUPS					
AMERICAN INDIAN		2.3	a	2.0	5.0
ASIAN/PACIFIC ISLANDER		2.5	a	5.0	8.1
BLACK		2.1	0.6	1.5	4.2
WHITE		5.9	1.5	3.6	11.1
OTHER		2.4	0.7	1.5	4.6
	a,b	-	a,b	a,b	a,b

- Represents zero events.
- ¹ The race/ethnic groups in this table provide a mutually exclusive list with Hispanic origin, 2 or more races, and single races. American Indian includes Eskimo and Aleut; Pacific Islander includes Hawaiian. These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.
- ² Includes unknown race/ethnicity.

a Rates not calculated for fewer than five events.
b Rates not calculated for fewer than 1,000 births.

Note: Early neonatal deaths are deaths to infants under seven days of age. Late neonatal deaths are deaths occurring between the seventh day and the 27th day of life. Postneonatal deaths are deaths occurring between the 28th day and the end of the first year of life. Infant deaths are under one year of age.

Neonatal, postneonatal, and infant death rates are per 1,000 live births.

Death rates based on small numbers are highly unreliable.

Source: State of California, Department of Health Services, Birth Cohort Files.

TABLE 1-13. BIRTHS, PERINATAL AND INFANT DEATHS, AND DEATH RATES BY AGE OF MOTHER, CALIFORNIA, 2001
 (By Place of Residence) (Based on 2001 Birth Cohort File)

AGE OF MOTHER	BIRTHS		PERINATAL DEATHS			INFANT DEATHS	
	Total Births	Live Births	Total Perinatal Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Total Infant Deaths
TOTAL	530,405	527,452	4,845	2,953	1,892	927	2,819
UNDER 15	819	810	16	9	7	3	10
15-17	17,403	17,311	181	92	89	43	132
18-19	35,854	35,661	324	193	131	103	234
20-24	123,879	123,231	1,053	648	405	228	633
25-29	137,117	136,448	1,109	669	440	230	670
30-34	128,606	127,951	1,086	655	431	171	602
35-39	69,282	68,832	712	450	262	100	362
40-44	16,199	16,038	235	161	74	36	110
45 AND OVER	1,095	1,078	25	17	8	4	12
UNKNOWN	151	92	104	59	45	9	54

AGE OF MOTHER	PERINATAL DEATH RATES			INFANT DEATH RATES		
	Total Perinatal Death Rates	Fetal Death Rates	Neonatal Death Rates	Post-Neonatal Death Rates	Total Infant Death Rates	
TOTAL ¹	9.1	5.6	3.6	1.8	5.3	
UNDER 15	b	b	b	a,b	b	
15-17	10.4	5.3	5.1	2.5	7.6	
18-19	9.0	5.4	3.7	2.9	6.6	
20-24	8.5	5.2	3.3	1.9	5.1	
25-29	8.1	4.9	3.2	1.7	4.9	
30-34	8.4	5.1	3.4	1.3	4.7	
35-39	10.3	6.5	3.8	1.5	5.3	
40-44	14.5	9.9	4.6	2.2	6.9	
45 AND OVER	22.8	15.5	7.4	a	11.1	

¹ Includes unknown age of mother.

a Rates not calculated for fewer than five events.

b Rates not calculated for fewer than 1,000 births.

Note: Total births are live births plus fetal deaths of 20 weeks or more gestation. Neonatal deaths are deaths under 28 days of age. Perinatal deaths are neonatal deaths plus fetal deaths of 20 weeks or more gestation. Postneonatal deaths are deaths occurring between the 28th day and the end of the first year of life. Infant deaths are under one year of age.

Fetal and perinatal death rates are per 1,000 total births.

Neonatal, postneonatal, and infant death rates are per 1,000 live births.

Death rates based on small numbers are highly unreliable.

Rates are not shown for unknown categories.

Source: State of California, Department of Health Services, Birth Cohort Files.

TABLE 1-14. LIFE EXPECTANCY AT BIRTH AND AVERAGE NUMBER OF YEARS OF LIFE
REMAINING AT AGE 65 BY SELECTED YEARS AND SEX, CALIFORNIA,
1919-1920, 1929-1931, 1939-1941, 1950, 1960, 1970, 1980, 1990-2002

YEAR	AT BIRTH		AT 65 YEARS	
	MALE	FEMALE	MALE	FEMALE
2002	77.0	81.7	18.1	20.7
2001	76.8	81.4	17.9	20.5
2000	76.6	81.3	17.6	20.4
1999	76.3	81.0	17.3	20.1
1998	75.8	80.9	17.1	20.1
1997	75.5	80.7	17	20.0
1996	74.9	80.5	16.8	20.0
1995	74.1	80.4	16.7	19.9
1994	73.7	80.1	16.5	19.8
1993	73.5	80.1	16.5	19.8
1992	73.6	80.2	16.5	19.9
1991	73.2	79.9	16.2	19.7
1990	72.8	79.5	16.0	19.4
1980	71.0	78.1	14.7	18.8
1970	68.4	75.7	13.7	17.8
1960	67.4	74.4	13.1	16.5
1950	65.9	73.0	13.0	16.1
1939-1941	61.9	68.3	11.8	14.5
1929-1931	58.6	63.7	12.0	14.0
1919-1920	54.5	58.4	12.4	13.5

Source: Dublin, Lotka, Spiegelmen, Length of Life, Table 77 Interpolated for 45-65 Years.

National Office of Vital Statistics, Abridged Life Tables, United States, Vital Statistics Special Reports, Vol. 42, No. 10, October 14, 1953.

Schoen, Robert and Marion Collins, Mortality by Cause: Life Tables for California 1950-1970. California State Department of Public Health.

State of California, Department of Health Services, Birth and Death Records.

State of California, Department of Finance, 1999-2002 Population: 1970-2040 Population Projections with Age, Sex, and Race/Ethnic Detail, December 1998.

TABLE 1-15. NUMBER AND PERCENT OF WOMEN OF CHILDBEARING AGE BY AGE GROUP,
CALIFORNIA AND UNITED STATES, 2000-2002

AGE GROUP	CALIFORNIA		UNITED STATES	
	Number	Percent	Number	Percent
2002				
Total (15-44)	7,457,718	100.0	62,044,142	100.0
10-14	1,405,553	-	10,311,553	-
15-19	1,206,876	16.2	9,905,023	16.0
20-24	1,140,350	15.3	9,863,491	15.9
25-29	1,076,701	14.4	9,331,760	15.0
30-34	1,233,616	16.5	10,393,768	16.8
35-39	1,372,217	18.4	10,961,381	17.7
40-44	1,427,958	19.1	11,588,719	18.7
45-49	1,294,185	-	10,810,307	-
2001				
Total (15-44)	7,419,374	100.0	60,139,584	100.0
10-14	1,332,883	-	9,880,471	-
15-19	1,175,476	15.8	9,742,425	16.2
20-24	1,110,930	15.0	9,298,249	15.5
25-29	1,072,669	14.5	8,724,955	14.5
30-34	1,251,213	16.9	9,905,270	16.5
35-39	1,386,656	18.7	10,949,346	18.2
40-44	1,422,430	19.2	11,519,339	19.2
45-49	1,246,990	-	10,393,696	-
2000				
Total (15-44)	7,384,156	100.0	61,576,997	100.0
10-14	1,260,411	-	10,007,875	-
15-19	1,151,591	15.6	9,828,886	16.0
20-24	1,068,218	14.5	9,276,187	15.1
25-29	1,099,090	14.9	9,582,576	15.6
30-34	1,255,934	17.0	10,188,619	16.5
35-39	1,416,449	19.2	11,387,968	18.5
40-44	1,392,874	18.9	11,312,761	18.4
45-49	1,210,080	-	10,202,898	-

- Percents for ages 10-14 and 45-49 are not included in total.

Source: State of California, Department of Finance, 2000-2002 Population: 1997-2040 Population Projections with Age, Sex, and Race/Ethnic Detail, December 1998.
 U.S. Census Bureau, Population Division: Population Estimates by Age, Sex, Race, and Hispanic Origin: 1980 to 1999. Internet Release Date: April 11, 2000; Census 2000 Population Summary File 2 (SF2).
 National Center for Health Statistics, National Vital Statistics Reports, Births: Final Data for 2001, Vol. 51, No. 2, December 2002.

TABLE 1-16. POPULATION BY AGE AND SEX, CALIFORNIA, 1992-2002

TOTAL POPULATION											
AGES	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Total	31,186,559	31,515,753	31,790,557	32,062,912	32,383,811	32,956,695	33,492,817	34,072,478	34,653,395	35,233,335	35,802,238
Under 1	612,811	582,503	573,336	552,649	540,625	526,869	522,034	553,480	556,635	560,999	565,286
1-4	2,173,164	2,281,146	2,340,237	2,356,048	2,298,325	2,247,883	2,211,332	2,218,731	2,225,385	2,243,262	2,259,315
5-14	4,460,630	4,556,999	4,654,241	4,760,414	4,914,945	5,126,482	5,284,863	5,438,254	5,567,090	5,672,643	5,779,949
15-24	4,497,128	4,407,264	4,314,391	4,247,442	4,217,867	4,287,123	4,356,208	4,490,994	4,615,641	4,753,513	4,878,693
25-34	5,740,799	5,658,729	5,569,897	5,472,130	5,357,377	5,295,965	5,208,869	5,088,372	4,998,216	4,918,489	4,876,792
35-44	4,966,673	5,074,808	5,179,154	5,285,866	5,401,744	5,520,289	5,644,380	5,703,159	5,751,694	5,762,426	5,762,850
45-54	3,177,217	3,339,827	3,488,007	3,643,480	3,806,109	3,972,821	4,131,786	4,284,494	4,469,059	4,674,074	4,794,731
55-64	2,261,325	2,268,288	2,288,474	2,315,263	2,359,866	2,432,927	2,541,885	2,647,776	2,756,954	2,862,622	3,041,927
65-74	1,936,963	1,949,077	1,949,559	1,953,708	1,954,134	1,949,636	1,948,692	1,945,679	1,957,505	1,976,584	1,998,910
75-84	1,040,341	1,066,524	1,092,670	1,122,133	1,161,701	1,205,134	1,236,392	1,272,523	1,305,454	1,337,545	1,360,295
85+	319,508	330,588	340,591	353,779	371,118	391,566	406,376	429,016	449,762	468,178	483,490
MALE POPULATION											
AGES	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Total	15,616,376	15,782,166	15,921,009	16,062,552	16,227,924	16,524,576	16,795,345	17,099,812	17,398,995	17,694,411	17,984,195
Under 1	313,683	298,309	293,367	282,371	276,538	269,593	266,390	283,033	284,653	286,873	289,063
1-4	1,112,073	1,167,037	1,197,222	1,205,502	1,175,708	1,150,084	1,131,193	1,134,840	1,138,537	1,147,543	1,155,699
5-14	2,283,622	2,333,340	2,382,992	2,436,320	2,514,194	2,623,174	2,704,999	2,785,041	2,851,540	2,906,408	2,962,038
15-24	2,380,353	2,324,262	2,265,036	2,222,004	2,198,841	2,231,063	2,258,544	2,331,075	2,395,832	2,467,107	2,531,467
25-34	2,990,551	2,956,504	2,921,167	2,881,288	2,828,447	2,801,042	2,758,217	2,693,838	2,643,192	2,594,607	2,566,475
35-44	2,504,098	2,561,897	2,618,204	2,676,974	2,741,290	2,806,428	2,876,572	2,911,607	2,942,371	2,956,340	2,962,675
45-54	1,577,359	1,657,248	1,729,680	1,806,538	1,887,994	1,971,051	2,050,795	2,127,558	2,221,466	2,325,619	2,387,728
55-64	1,088,515	1,095,750	1,108,322	1,123,352	1,146,990	1,183,049	1,236,490	1,289,251	1,343,573	1,396,328	1,484,478
65-74	862,045	868,262	870,059	875,138	879,924	882,049	885,190	889,827	901,472	916,584	931,513
75-84	409,526	421,715	433,823	447,186	465,740	486,886	501,453	519,523	533,995	547,455	557,358
85+	94,551	97,842	101,137	105,879	112,258	120,167	125,502	134,219	142,364	149,547	155,701
FEMALE POPULATION											
AGES	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Total	15,570,183	15,733,587	15,869,548	16,000,360	16,155,887	16,432,119	16,697,472	16,972,666	17,254,400	17,538,924	17,818,043
Under 1	299,128	284,194	279,969	270,278	264,087	257,276	255,644	270,447	271,982	274,126	276,223
1-4	1,061,091	1,114,109	1,143,015	1,150,546	1,122,617	1,097,799	1,080,129	1,083,991	1,086,848	1,095,719	1,103,616
5-14	2,177,008	2,223,659	2,271,249	2,324,094	2,400,751	2,503,308	2,579,864	2,653,213	2,715,550	2,766,235	2,817,911
15-24	2,116,775	2,083,002	2,049,355	2,025,438	2,019,026	2,056,070	2,097,664	2,159,919	2,219,809	2,286,406	2,347,226
25-34	2,750,248	2,702,225	2,648,730	2,590,842	2,528,930	2,494,923	2,450,652	2,394,534	2,355,024	2,323,882	2,310,317
35-44	2,462,575	2,512,911	2,560,950	2,608,892	2,660,454	2,713,861	2,767,808	2,791,552	2,809,323	2,809,086	2,800,175
45-54	1,599,858	1,682,579	1,758,327	1,836,942	1,918,115	2,001,770	2,080,991	2,156,936	2,247,593	2,348,455	2,407,003
55-64	1,172,810	1,172,538	1,180,152	1,191,911	1,212,876	1,249,878	1,305,395	1,358,525	1,413,381	1,466,294	1,557,449
65-74	1,074,918	1,080,815	1,079,500	1,074,210	1,067,587	1,063,502	1,055,852	1,056,033	1,060,000	1,067,397	1,067,397
75-84	630,815	644,809	658,847	674,947	695,961	718,248	734,939	753,000	771,459	790,090	802,937
85+	224,957	232,746	239,454	247,900	258,860	271,399	280,874	284,797	307,398	318,631	327,789

Source: State of California, Department of Finance, 1992-1996 Population Estimates with Age, Sex, and Race/Ethnic Detail, January 1998;
 1997 Population Estimates with Age, Sex, and Race/Ethnic Detail, June 1999; 1998 Population Estimates with Age, Sex, and Race/Ethnic Detail, October 2000;
 1999-2002 Population: 1997-2040 Population Projections with Age, Sex, and Race/Ethnic Detail, December 1998.

NOTES

2. NATALITY

	Page
SUMMARY OF NATALITY	30
GUIDE TO BIRTH TABLES	36

TABLES

STATEWIDE DATA

2-1 Live Births by Age of Mother, California, 1960-2002	38
2-2 General Fertility Rates, Total Fertility Rates, and Birth Rates by Age of Mother, California, 1970, 1975, 1980, 1985, 1990-2002	39
2-3 Percentage Distribution of Live Births by Age of Mother, California, 1960, 1965, 1970, 1975, 1980, 1985, 1990-2002	40
2-4 Number of Live Births by Age and Race/Ethnic Group of Mother, California, 2000-2002	41
2-5 Number of Live Births to Unmarried Women by Age and Race/Ethnic Group of Mother, California, 2000-2002	42
2-6 Number and Percent of Live Births With Selected Medical Characteristics by Race/Ethnic Group of Mother, California, 2002.....	43
2-7 Number and Percent of Live Births With Selected Demographic Characteristics by Race/Ethnic Group of Mother, California, 2002.....	44
2-8 Live Births by Birthweight, Weeks of Gestation, and by Race/Ethnic Group of Mother, California, 2002	45
2-9 Number and Percent of Live Births by Number of Prenatal Visits and Race/Ethnic Group of Mother, California, 2002	46
2-10 Live Births by Number of Prenatal Visits and by Race of Mother, California, 2002	47
2-11 Live Births by Trimester Prenatal Care Began and by Race/Ethnic Group and Age of Mother, California, 2002.....	48
2-12 Live Births by Birthweight and by Race/Ethnic Group and Age of Mother, California, 2002	49

STATEWIDE DATA (cont.)

<u>TABLE</u>		Page
2-13	Live Births by Birthweight, Trimester Prenatal Care Began, and by Race/Ethnic Group of Mother, California, 2002	50
2-14	Live Births by Plurality of Delivery, Sex of Child, and by Race/Ethnic Group of Mother, California, 2002	51
2-15	Live Births by Plurality of Delivery, Sex of Child, and by Race of Mother, California, 2002	52
2-16	Live Births by Method of Delivery and Age of Mother, California, 2002	53
2-17	Most Popular Baby Names, California, 2002	54

COUNTY DATA

2-18	Live Births, California Counties, 1992-2002	55
2-19	Number and Percent of Live Births with Late or No Prenatal Care, California Counties, 1992-2002	56
2-20	Number and Percent of Low Birthweight Births, California Counties, 1992-2002	57
2-21	Number and Percent of Live Births to Teen Mothers, California Counties, 1992-2002	58
2-22	Percent of Live Births With Selected Medical Characteristics, California Counties and Selected City Health Departments, 2002	59
2-23	Live Births by Trimester Prenatal Care Began, California Counties and Selected City Health Departments, 2002	60
2-24	Live Births by Weeks of Gestation, California Counties and Selected City Health Departments, 2002	61
2-25	Number and Percent of Live Births by Method of Delivery (By Place of Occurrence), California Counties and Selected City Health Departments, 2002	62
2-26	Live Births by Place of Delivery (By Place of Occurrence), California Counties and Selected City Health Departments, 2002	63

COUNTY DATA (cont.)

<u>TABLES</u>		Page
2-27	Live Births by Birthweight, California Counties and Selected City Health Departments, 2002	64
2-28	Percent of Live Births with Selected Demographic Characteristics, California Counties and Selected City Health Departments, 2002	65
2-29	Live Births by Age of Mother (Detailed Under Age 20), California Counties and Selected City Health Departments, 2002	66
2-30	General Fertility Rate and Birth Rates by Age of Mother, California Counties, 2002	67
2-31	Birth Rates by Year of Age for Teenage Mothers, California Counties, 2002	68
2-32	Live Births by Age of Father (Detailed Under Age 20), California Counties and Selected City Health Departments, 2002	69
2-33	Live Births by Race/Ethnic Group of Mother, California Counties and Selected City Health Departments, 2002	70
2-34	Live Births to Unmarried Women by Race/Ethnic Group of Mother, California Counties and Selected City Health Departments, 2002	71
2-35	Live Births by Race of Mother, California Counties and Selected City Health Departments, 2002	72
2-36	Live Births by Mother's Education, California Counties and Selected City Health Departments, 2002	73
2-37	Live Births by Father's Education, California Counties and Selected City Health Departments, 2002	74
2-38	Live Births by Month of Birth, California Counties and Selected City Health Departments, 2002	75

SUMMARY OF NATALITY

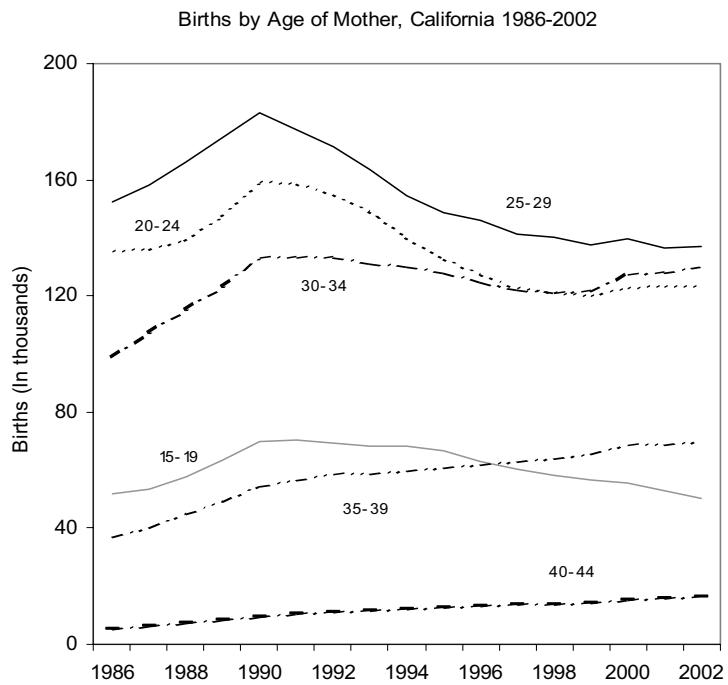
The number of babies born to California residents rose 0.4 percent from 527,371 births in 2001 to 529,245 births in 2002. This was only the second increase in the number of births since the high of 611,666 in 1990 (Table 2-1).

Age of Mother

The number of births decreased in 2002 among mothers under 15 and age groups 15-19 and 20-24. The number of births increased for mothers in all other age groups.

Births among mothers under 15 had the largest decrease between 2002 and 2001, down 8.3 percent. This is the lowest number of births for this age group since 1973.

Mothers in the age groups of 40-44 and 45 and over had the largest increases with 3.2 and 9.1 percent respectively. Live births to mothers in the age group of 40-44 have been increasing for the last 24 years. Live births to mothers in the age group of 45 and over have been increasing for the last 17 years.



Race/Ethnicity of Mother

Note: Tables marked "by Race/Ethnicity" include Hispanic and non-Hispanic categories. Hispanic includes any race category. All remaining non-Hispanic individuals were included in their respective race group, i.e. Two or More Race Groups, American Indian, Asian, Black, Pacific Islander, White, and Other. The race/ethnic tables in this report are not comparable to race/ethnic tables used in Vital Statistics of California reports prior to 2000. For further information see Chapter 6.

While the overall number of births increased between 2001 and 2002, different outcomes were seen among the race/ethnic groups. Births to Hispanic women (who account for 50.1 percent of all births, excluding unknown) rose 0.8 percent. Births to non-Hispanic Asians, Pacific Islanders, and mothers who reported as being of 2 or more races rose 3.4, 2.4, and 6.7 percent respectively between 2001 and 2002. Births to non-Hispanic mothers who were White, Other, Black, and American Indian fell by 1.4, 11.9, 3.7, and 1.0 percent respectively (Table 2-4).

Race of Mother

Note: Tables marked "by Race of Mother" provide race data irrespective of Hispanic origin. Most California residents of Hispanic origin are white. Please note that "2 or More Race Groups" refers to mothers who reported two or more of the following race categories: American Indian or Alaska Native, Asian, Black or African American, Pacific Islander, White, and Other. For further information see Preface and Chapter 6.

In 2002, 80.0 percent (excluding unknown race) of all births were to White/Other women, 5.8 percent to Black women, 2.8 percent to Filipino women, 2.4 percent to Chinese women, and 1.9 percent to women of 2 or More Race Groups. These five race groups accounted for 92.9 percent of all births by race in 2002. The remaining births were distributed among 15 other races (Table 2-35).

Birth and Fertility Rates

The birth rate in California in 2002 fell to 15.0 live births per 1,000 population, down 1.3 percent from the 15.2 rate in 2001 and down 20.6 percent from the 18.9 rate in 1992 (Table 1-1). In 2002 the birth rates for California counties ranged from a low of 7.2 in Amador and Modoc Counties to a high of 19.4 in Tulare County (Table 1-2).

California's 2002 general fertility rate was 71.0 births per 1,000 women ages 15-44, down 0.1 percent from 2001 and down 13.4 percent from 1992 (Table 2-2). Among California counties with at least five births and at least 1,000 population, Modoc County had the lowest fertility rate at 33.6, and Tulare County had the highest rate at 89.6 (Table 2-30).

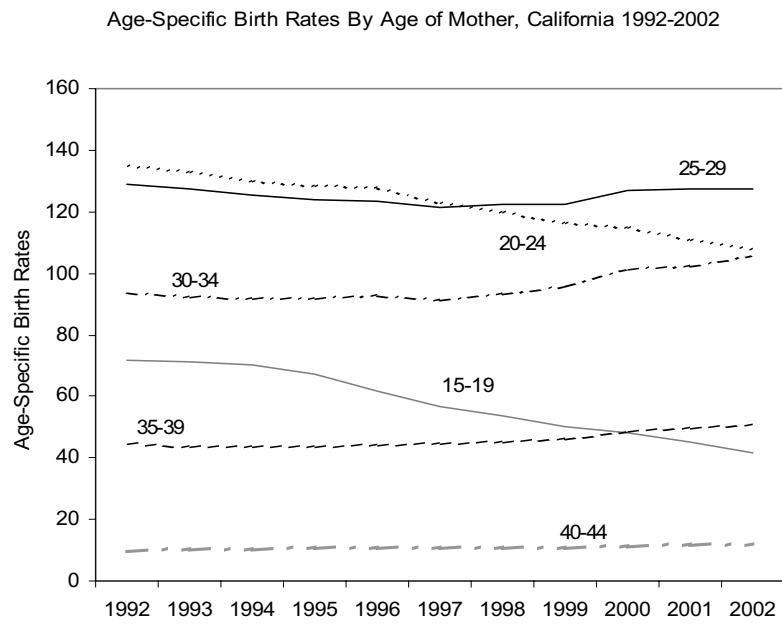
Birth Rates by Age of Mother

In 2002 California's age-specific birth rates (per 1,000 women in specified age group) decreased from the 2001 rates for women in the age groups under 15 through 20-24 and increased for women in the age groups 25-29 through 40-44. The rates were unchanged for mothers age 45 and over (Table 2-2).

Women ages 20-24 and 25-29 had the highest overall birth rates ranging from 134.8 and 128.8 births per 1,000 women in their respective age groups in 1992 to 107.9 and 127.5, in 2002.

The birth rates for women 30-34 and 35-39 declined in the early to mid 1990's, before increasing again from 1998 to 2002. The rates for women 30-34 ranged from 93.8 in 1992 to a low of 91.4 in 1997, before rising to 105.7 in 2002. The rates for women 35-39 ranged from 44.5 in 1992 to 50.9 in 2002.

During the period 1992 to 2002, the birth rate for women ages 40-44 rose from 9.7 births per 1,000 women to 11.6.



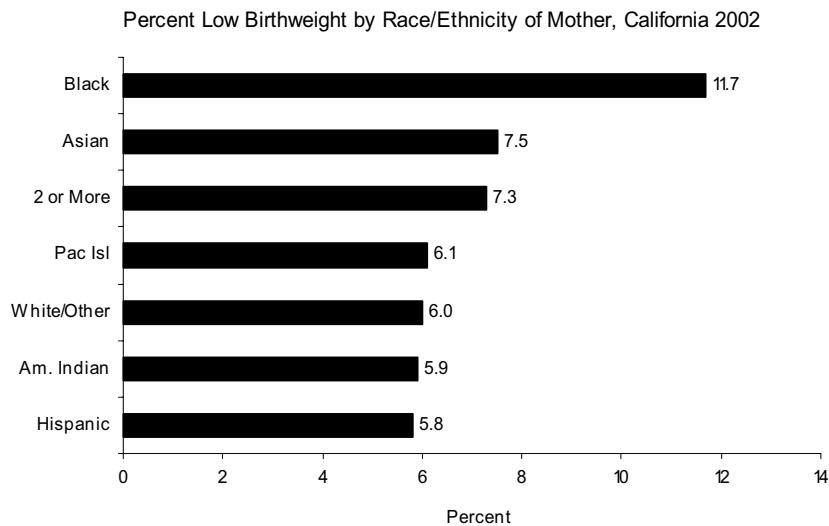
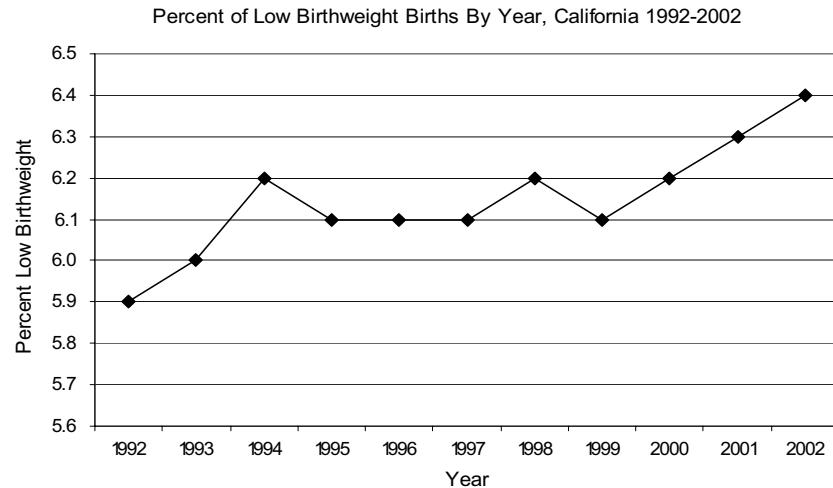
Teen Birth Rates

Teen birth rates continued to fall in 2002 dropping to their lowest levels in decades. The birth rate in 2002 for women under 15 years was 0.5 births per 1,000 women ages 10-14, a drop of 16.7 percent from 2001 and down 66.7 percent from 1992 (Tables 1-5 and 2-2). Among the 24 counties with at least 5 births and 1,000 population in this age group, the 2002 birth rate for women under 15 years ranged from 0.3 in San Francisco and Santa Clara Counties to 2.9 in Tehama County (Table 2-30).

The 2002 birth rate for women 15-19 years also reached its lowest level (41.6 births per 1,000 women ages 15-19) in decades, down from the rate of 45.1 in 2001 and a rate of 71.7 in 1992 (Table 2-2). Among the 49 counties with at least 5 births and 1,000 population in this age group, the 2002 birth rates for women 15-19 ranged from 10.1 in Marin County to 74.6 in Tulare County.

Low Birthweight

In 2002 there were 33,859 low birthweight (less than 2500 grams or 5.5 pounds) births in California, 6.4 percent of all births (Tables 1-6 and 2-6). The percent of low birthweight births has risen 8.5 percent from 1992 and was up 1.6 percent from 2001. Of the low birthweight births in 2002, 6,127 were very low birthweight (under 1500 grams or 3.3 pounds) (Table 2-8).



Black women had the highest percent (11.7) of low birthweight births in 2002. Asian mothers had 7.5 percent low birthweight births and Multi-racial mothers (2 or More Race Groups) were next with 7.3 percent (Table 2-6).

Pacific Islander women had 6.1 percent low birthweight births, while White/Other women and American Indian women had 6.0 and 5.9 percent respectively. Hispanic women had 5.8 percent low birthweight births.

Premature Births

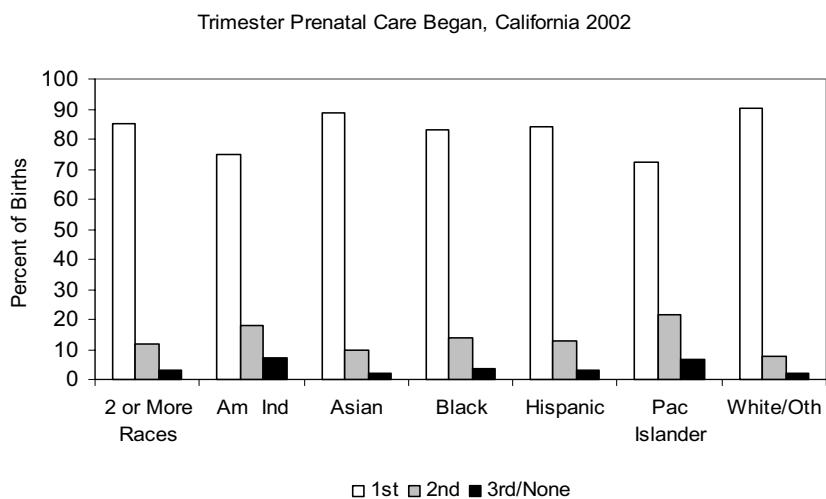
In 2002 there were 52,067 premature births (less than 37 weeks of gestation), 10.5 percent of all births (Table 2-6). The percentage of premature births has risen 5.0 percent since 1990 (Table 1-6). Of the 2002 premature births, 19,863 or 38.1 percent were low birthweight (under 2500 grams or 5.5 pounds) (Table 2-8). Of the very low birthweight infants (less than 1500 grams or 3.3 pounds), 93.9 percent were premature.

Prenatal Care

In 2002, 86.5 percent of women began prenatal care in the first trimester of pregnancy. The percentages of women who began prenatal care in the second and third trimesters were 10.9 and 2.1 percent, respectively. Women received no prenatal care for 2,632 births, 0.5 percent of all births (Table 2-11). Of these births with no prenatal care, 19.0 percent were low birthweight babies (Table 2-13). The percentage of women receiving late or no prenatal care has dropped 62.9 percent since 1990 (Table 1-6).

By age group, first trimester prenatal care ranged from 48.7 percent for women under 15 years to 89.3 percent for women in their thirties (Table 2-11).

By race/ethnic groups, first trimester prenatal care ranged from 72.1 percent for Pacific Islander women to 90.5 percent for White/Other women (Table 2-11).



Cesarean Sections

Cesarean deliveries accounted for 26.8 percent of all births in 2002, its highest level, going back to 1970. The percent of cesarean births decreased between 1991 and 1996 but has increased 30.1 percent since then (Table 1-6). Mothers in the age group of 45 and over had the largest percentage of cesarean births (58.8 percent), while mothers in the age group of under 15 had the lowest percentage (16.8) (Table 2-16). In the 52 counties where at least five cesarean sections occurred, the percentage of these births ranged from 15.6 percent in Modoc County to 36.2 and 36.9 percent respectively in Imperial and Amador Counties (Table 2-25).

Multiple Births

In 2002 there were 513,778 single live births, 97.1 percent of all births to California residents. There were 14,694 twin births, 2.8 percent of all births, and there were 738 triplet births, 0.1 percent. The percentage of single births was unchanged from 2001 and the percentage of twin births was up slightly. The percentages of all the other multiple births were unchanged (Table 2-14).

Teenage Parents

In 2002 there were 50,944 births to women under the age of 20 (Tables 2-1 and 2-4). This number decreased to 9.6 percent of all births in 2002 compared with 10.2 percent of births in 2001. American Indians had the highest percentage of teen births (14.2 percent) while Asians had the lowest (3.0 percent). Among 55 counties with at least 100 births, the percentage of mothers under 20 years of age ranged from 2.4 percent in Marin County to 19.1 percent in Del Norte County (Table 2-28).

In 2002 there were 17,469 births to fathers under the age of 20 (Table 2-32). This was 3.6 percent of 2002 births where fathers age was provided, compared to 3.8 percent in 2001. Among the 55 counties with at least 100 births, the percent of fathers under 20 years of age ranged from 0.4 percent in Marin County to 10.8 percent in Del Norte County.

Education of Parents

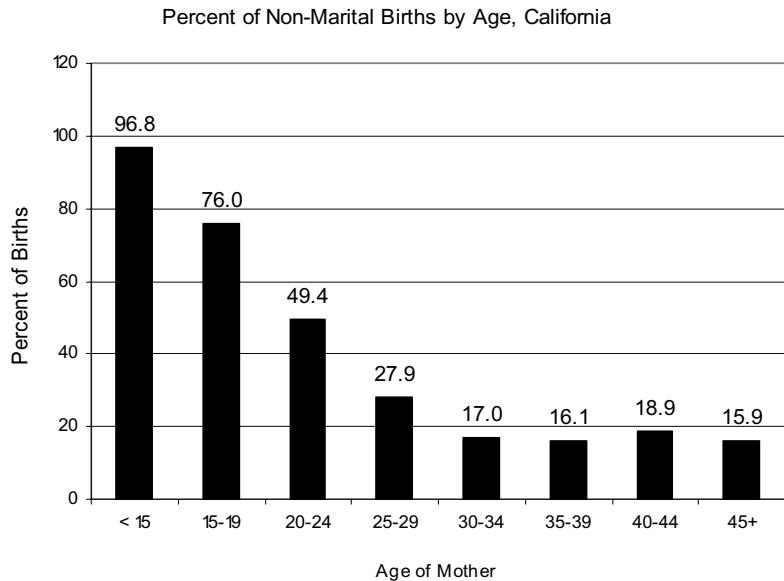
In 2002, 71.2 percent of mothers and 72.5 percent of fathers had completed 12 or more years of education (Table 2-28). In 2001, 70.3 percent of mothers and 72.2 percent of fathers had completed 12 or more years of education.

Among the 55 counties with at least 100 births in 2002, the percent of births to mothers completing 12 or more years of education ranged from 53.3 percent in Monterey County to 90.9 percent in Placer County. The percent of fathers completing 12 years or more of education ranged from 52.8 percent in Monterey County to 92.4 percent in Plumas County (Table 2-28).

Marital Status

In 2002, 33.0 percent of all live births were to unmarried women, up from 32.7 percent in 2001 and up from 31.4 percent in 1990 (Table 1-6). Among the 55 counties with at least 100 births, the percentages of births to unmarried women ranged from 15.0 percent in Lassen County to 47.9 percent in Del Norte County (Table 2-28).

The percent of non-marital births was highest among teen mothers and decreased with increasing mother's age, with the exception of 40-44 year-old mothers. Among teenagers, 96.8 percent of births to women under 15 and 76.0 percent of births to women 15-19 were non-marital. Slightly less than half of births to 20-24 year old mothers were non-marital, and 27.9 percent of births to 25-29 year old mothers were non-marital. Fewer than 20 percent of births to all age groups from 30-34 through 45 and over were non-marital (Table 2-5).



Among race/ethnic groups, the lowest percentage of non-marital births was for Asian mothers at 11.9 percent. Among the other race/ethnic groups, 19.9 percent of births to White mothers were non-marital, while 29.3 percent, 40.4 percent, 42.2 percent, 45.1 percent, 51.6 percent and 63.0 percent of births to Pacific Islander, multi-racial (2 or More Race Groups), Hispanic, Other, American Indian, and Black women, respectively, were non-marital (Table 2-5).

Baby Names:

The most popular baby names in California in 2002 were (Table 2-17):

<u>Males</u>	<u>Percent of Total Male Births</u>	<u>Females</u>	<u>Percent of Total Female Births</u>
Daniel	1.5	Emily	1.2
Anthony	1.4	Ashley	1.0
Jose	1.3	Samantha	1.0
Andrew	1.3	Jessica	0.8
Jacob	1.2	Jennifer	0.8

GUIDE TO BIRTH TABLES IN VITAL STATISTICS OF CALIFORNIA, 2002

	TABLE	2-1	2-2	2-3	2-4	2-5	2-6	2-7	2-8	2-9	2-10	2-11	2-12	2-13	2-14	2-15	2-16	2-17	2-18	2-19
	PAGE	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
GEOGRAPHIC AREA																				
California																				
California Counties																				
Selected City Health Dep'ts.																				
TYPES OF ANALYSIS																				
Birth Rates																				
Fertility Rates																				
Multiple Years																				
Percentage Distribution																				
VARIABLES																				
Age of Father																				
Age of Mother																				
Birth Place of Mother																				
Birthweight																				
Education of Father																				
Education of Mother																				
Length of Gestation																				
Marital Status																				
Method of Delivery																				
Month of Birth																				
Most Popular Baby Names																				
Parity (Birth Order)																				
Place of Delivery																				
Plurality of Delivery																				
Prenatal Care																				
Race of Mother																				
Race/Ethnic Group of Mother																				
Sex of Child																				

GUIDE TO BIRTH TABLES IN VITAL STATISTICS OF CALIFORNIA, 2002 - Continued

	TABLE PAGE	2-20	2-21	2-22	2-23	2-24	2-25	2-26	2-27	2-28	2-29	2-30	2-31	2-32	2-33	2-34	2-35	2-36	2-37	2-38
GEOGRAPHIC AREA	California California Counties Selected City Health Depts.																			
TYPES OF ANALYSIS																				
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Race of Mother																				
Race/Ethnic Group of Mother																				
Sex of Child																				

TABLE 2-1. LIVE BIRTHS BY AGE OF MOTHER, CALIFORNIA, 1960-2002 (By Place of Residence)

YEAR	TOTAL	BIRTHS BY AGE OF MOTHER								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATED
2002	529,245	743	50,201	123,056	137,237	130,368	69,873	16,553	1,176	38
2001	527,371	810	52,966	123,227	136,439	127,946	68,829	16,037	1,078	39
2000	531,285	895	55,373	122,591	139,615	127,502	68,685	15,614	957	53
1999	518,073	1,038	56,577	120,270	137,637	121,779	65,532	14,272	904	64
1998	521,265	1,066	58,141	121,317	140,369	121,326	64,210	14,010	777	49
1997	524,174	1,256	59,851	122,924	141,195	121,938	62,674	13,506	766	64
1996	538,628	1,485	63,118	127,431	145,795	125,030	61,836	13,158	685	90
1995	551,226	1,640	66,644	132,607	148,585	127,853	60,577	12,573	679	68
1994	567,034	1,687	68,198	140,172	154,705	129,926	59,550	12,054	668	74
1993	584,483	1,572	68,519	149,047	163,262	131,438	58,505	11,458	572	110
1992	600,838	1,595	69,272	155,065	171,278	133,205	58,660	11,077	535	151
1991	609,228	1,469	70,322	158,779	177,516	133,192	56,654	10,653	472	171
1990	611,666	1,390	69,560	159,405	182,923	133,423	54,471	9,748	447	299
1989	569,308	1,332	63,603	147,737	174,700	123,080	49,370	8,588	339	559
1988	532,708	1,088	57,806	139,238	166,288	115,515	44,864	7,434	330	145
1987	503,376	983	53,586	135,924	158,120	107,459	40,294	6,527	323	160
1986	481,905	901	51,817	135,304	152,386	98,756	36,822	5,410	296	213
1985	470,816	890	50,365	136,985	149,523	94,067	33,578	4,953	240	215
1984	447,394	927	49,130	134,540	141,813	86,243	29,728	4,530	256	227
1983	435,722	853	50,391	134,387	137,197	81,288	27,110	4,103	215	178
1982	429,631	851	53,170	136,388	134,830	76,090	24,205	3,734	220	143
1981	420,418	876	55,004	137,056	129,334	73,234	20,977	3,587	191	159
1980	402,720	765	54,756	133,504	122,979	67,815	19,276	3,226	164	235
1979	379,187	806	53,925	126,554	115,190	61,916	17,430	3,008	179	179
1978	356,156	794	52,774	120,378	108,141	55,614	15,430	2,715	137	173
1977	347,576	868	52,957	119,103	106,147	51,249	14,297	2,749	151	55
1976	332,105	846	52,854	113,994	102,354	45,552	13,677	2,597	180	51
1975	317,318	869	52,528	109,563	97,025	41,771	12,592	2,756	174	40
1974	311,668	824	51,929	109,149	94,075	40,249	12,567	2,672	158	45
1973	297,834	740	50,907	105,361	88,232	37,383	12,147	2,831	196	37
1972	306,375	820	52,329	110,639	88,679	37,600	12,876	3,214	178	40
1971	329,826	750	53,715	125,177	91,849	39,460	14,741	3,866	222	46
1970	362,652	744	61,013	137,283	99,022	43,005	16,916	4,369	254	46
1969	352,937	681	58,753	133,409	95,621	41,847	17,569	4,731	282	44
1968	339,221	674	57,722	128,586	88,215	40,450	18,134	5,093	310	37
1967	336,584	635	58,608	126,597	83,140	41,664	19,841	5,729	335	35
1966	337,623	572	59,517	122,823	83,010	43,441	21,702	6,194	341	23
1965	355,074	531	57,700	128,304	88,199	48,446	24,529	6,965	369	31
1964	374,587	525	57,248	137,151	93,823	52,256	26,171	7,056	326	31
1963	380,505	509	57,068	139,040	95,284	53,837	27,281	7,121	328	37
1962	378,347	536	57,631	134,639	94,653	54,619	28,689	7,238	322	20
1961	381,198	487	57,040	132,238	96,532	57,559	29,771	7,204	341	26
1960	371,799	443	54,010	128,313	94,704	57,569	29,540	6,865	338	17

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-2. GENERAL FERTILITY RATES, TOTAL FERTILITY RATES, AND BIRTH RATES BY AGE OF MOTHER,
CALIFORNIA, 1970, 1975, 1980, 1985, 1990-2002 (By Place of Residence)

(General fertility rate is live births per 1,000 women, ages 15-44 years. The total fertility rate is the sum of age-specific rates for women ages 15-44 multiplied by 5. Birth rate is live births per 1,000 female population in specified age group.)

YEAR	GENERAL FERTILITY RATE	TOTAL FERTILITY RATE	BIRTH RATE BY AGE OF MOTHER							
			Under 15 ¹	15-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER ²
2002	71.0	2,225.8	0.5	41.6	107.9	127.5	105.7	50.9	11.6	0.9
2001	71.1	2,231.7	0.6	45.1	110.9	127.2	102.3	49.6	11.3	0.9
2000	71.9	2,255.5	0.7	48.1	114.8	127.0	101.5	48.5	11.2	0.8
1999	70.5	2,206.6	0.9	50.2	116.3	122.5	95.8	46.0	10.4	0.8
1998	71.2	2,221.3	0.9	53.6	119.8	122.3	93.1	45.0	10.4	0.7
1997	72.2	2,236.7	1.1	56.7	122.8	121.6	91.4	44.4	10.4	0.7
1996	74.7	2,302.2	1.3	61.6	128.1	123.6	92.6	44.0	10.5	0.6
1995	76.3	2,326.2	1.5	67.2	128.2	123.9	91.9	43.7	10.3	0.7
1994	78.1	2,355.3	1.6	70.2	130.0	125.3	91.9	43.5	10.1	0.7
1993	80.1	2,386.8	1.5	71.3	132.8	127.5	92.4	43.5	9.8	0.6
1992	82.0	2,416.5	1.5	71.7	134.8	128.8	93.8	44.5	9.7	0.6
1991	83.5	2,445.4	1.5	72.9	135.7	132.2	94.3	44.6	9.4	0.6
1990	84.7	2,444.2	1.4	70.0	135.4	133.4	96.6	44.2	9.1	0.6
1985	72.9	2,013.5	1.0	49.3	113.1	120.0	81.4	32.8	6.2	0.4
1980	70.4	1,885.2	0.9	52.4	116.2	111.2	67.4	24.7	5.1	0.3
1975	64.5	1,723.1	1.5	50.7	109.2	104.1	55.4	20.4	4.8	0.3
1970	84.0	2,325.4	0.8	68.3	156.2	134.3	70.1	29.2	7.1	0.4

¹ For women under 15, the rate is calculated using the female population 10-14 years of age.

² For women 45 and over, the rate is calculated using the female population 45-49 years of age.

Source: State of California, Department of Health Services, Birth Records.
State of California, Department of Finance, 1970-1996 Population: Race/Ethnic Population with Age and Sex Detail, 1970-2040, January 1998;
1997 Population Estimates by Age, Sex, and Race/Ethnic Group, June 1999; 1998 Population Estimates by Age and Sex and
Race/Ethnic Group, October 2000; 1999-2002 Population: 1970-2040 Population Projections with Age, Sex and Race/Ethnic Detail, December 1998.

TABLE 2-3. PERCENTAGE DISTRIBUTION OF LIVE BIRTHS BY AGE OF MOTHER, CALIFORNIA, 1960, 1965, 1970, 1975, 1980, 1985, 1990-2002 (By Place of Residence)

YEAR	TOTAL	PERCENTAGE BY AGE OF MOTHER									NOT STATED
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER		
2002	100.0	0.14	9.5	23.3	25.9	24.6	13.2	3.1	0.22	0.01	
2001	100.0	0.15	10.0	23.4	25.9	24.3	13.1	3.0	0.20	0.01	
2000	100.0	0.17	10.4	23.1	26.3	24.0	12.9	2.9	0.18	0.01	
1999	100.0	0.20	10.9	23.2	26.6	23.5	12.6	2.8	0.17	0.01	
1998	100.0	0.20	11.2	23.3	26.9	23.3	12.3	2.7	0.15	0.01	
1997	100.0	0.24	11.4	23.5	26.9	23.3	12.0	2.6	0.15	0.01	
1996	100.0	0.28	11.7	23.7	27.1	23.2	11.5	2.4	0.13	0.02	
1995	100.0	0.30	12.1	24.1	27.0	23.2	11.0	2.3	0.12	0.01	
1994	100.0	0.30	12.0	24.7	27.3	22.9	10.5	2.1	0.12	0.01	
1993	100.0	0.27	11.7	25.5	27.9	22.5	10.0	2.0	0.10	0.02	
1992	100.0	0.27	11.5	25.8	28.5	22.2	9.8	1.8	0.09	0.03	
1991	100.0	0.24	11.5	26.1	29.1	21.9	9.3	1.7	0.08	0.03	
1990	100.0	0.23	11.4	26.1	29.9	21.8	8.9	1.6	0.07	0.05	
1985	100.0	0.19	10.7	29.1	31.8	20.0	7.1	1.1	0.05	0.05	
1980	100.0	0.19	13.6	33.2	30.5	16.8	4.8	0.8	0.04	0.06	
1975	100.0	0.27	16.6	34.5	30.6	13.2	4.0	0.9	0.05	0.01	
1970	100.0	0.21	16.8	37.9	27.3	11.9	4.7	1.2	0.07	0.01	
1965	100.0	0.15	16.3	36.1	24.8	13.6	6.9	2.0	0.10	0.01	
1960	100.0	0.12	14.5	34.5	25.5	15.5	7.9	1.8	0.09	a	

a Less than 0.005.

Note: Percents are rounded independently and may not add to totals.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-4. NUMBER OF LIVE BIRTHS BY AGE AND RACE/ETHNIC¹ GROUP OF MOTHER, CALIFORNIA 2000-2002
 (By Place of Residence)

YEAR	TOTAL	AGE OF MOTHER								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATED
TOTAL										
2002	529,245	743	50,201	123,056	137,237	130,368	69,873	16,553	1,176	38
2001	527,371	810	52,966	123,227	136,439	127,946	68,829	16,037	1,078	39
2000	531,285	895	55,373	122,591	139,615	127,502	68,685	15,614	957	53
HISPANIC										
2002	263,023	550	34,613	75,441	71,734	50,842	24,161	5,366	302	14
2001	260,996	596	36,051	75,116	70,937	49,397	23,501	5,127	260	11
2000	257,958	686	36,892	73,762	70,608	48,503	22,305	4,961	228	13
NON-HISPANIC										
2 OR MORE RACE GROUPS										
2002	6,813	10	847	1,800	1,619	1,511	815	198	13	-
2001	6,388	13	898	1,726	1,449	1,355	765	174	8	-
2000	6,254	13	914	1,685	1,444	1,296	737	156	9	-
AMERICAN INDIAN										
2002	1,966	3	276	625	493	354	168	47	-	-
2001	1,986	3	283	633	488	360	169	49	1	-
2000	1,975	4	316	606	501	338	171	36	2	1
ASIAN										
2002	59,376	18	1,754	6,526	15,991	21,387	11,175	2,355	168	2
2001	57,443	20	1,948	6,445	16,300	19,928	10,384	2,268	150	-
2000	58,876	18	2,090	6,678	16,828	20,191	10,703	2,216	149	3
BLACK										
2002	29,807	95	3,913	8,708	7,148	5,845	3,145	907	44	2
2001	30,965	114	4,354	9,059	7,257	5,901	3,408	823	45	4
2000	32,302	96	4,841	9,420	7,655	6,036	3,462	765	23	4
PACIFIC ISLANDER										
2002	2,411	3	165	662	690	538	283	69	1	-
2001	2,355	2	177	629	670	503	296	75	3	-
2000	2,376	3	196	650	660	524	274	68	1	-
WHITE										
2002	161,470	58	8,375	28,482	38,610	48,661	29,347	7,345	587	5
2001	163,777	59	8,989	29,038	38,577	49,560	29,660	7,319	567	8
2000	168,233	73	9,871	29,203	41,178	49,750	30,407	7,234	508	9
OTHER										
2002	193	-	12	59	44	43	26	9	-	-
2001	219	-	17	53	65	45	30	9	-	-
2000	173	-	16	50	41	36	24	4	2	-
UNKNOWN										
2002	4,186	6	246	753	908	1,187	753	257	61	15
2001	3,242	3	249	528	696	897	616	193	44	16
2000	3,138	2	237	537	700	828	602	174	35	23

- Represents zero events.

¹ The race/ethnic groups in this table provide a mutually exclusive list with Hispanic, 2 or more race groups, and single races. American Indian includes Eskimo and Aleut; Pacific Islander includes Hawaiian.

These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-5. NUMBER OF LIVE BIRTHS TO UNMARRIED WOMEN BY AGE AND RACE/ETHNIC¹ GROUP OF MOTHER,
CALIFORNIA 2000-2002 (By Place of Residence)

YEAR	TOTAL	AGE OF MOTHER									
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATED	
TOTAL											
2002	174,637	719	38,130	60,808	38,271	22,113	11,269	3,127	187	13	
2001	172,624	773	39,882	59,464	36,464	21,623	11,194	3,021	185	18	
2000	173,799	863	42,209	58,756	36,818	21,197	10,918	2,881	129	28	
HISPANIC											
2002	111,076	529	25,915	38,314	25,008	13,458	6,226	1,532	88	6	
2001	108,439	569	26,588	37,101	23,618	12,977	5,992	1,509	78	7	
2000	108,605	660	27,707	36,607	23,692	12,644	5,773	1,463	53	6	
NON-HISPANIC											
2 OR MORE RACE GROUPS											
2002	2,754	10	718	1,021	527	295	153	30	-	-	
2001	2,710	13	754	1,019	453	275	150	45	1	-	
2000	2,590	13	768	960	416	260	135	37	1	-	
AMERICAN INDIAN											
2002	1,015	3	219	379	223	117	55	19	-	-	
2001	1,075	2	232	384	237	135	68	17	-	-	
2000	1,042	4	266	355	214	126	64	13	-	-	
ASIAN											
2002	7,076	17	1,195	2,270	1,576	1,176	638	186	18	-	
2001	7,025	16	1,370	2,099	1,585	1,142	623	175	15	-	
2000	6,952	15	1,430	2,070	1,545	1,098	606	177	9	2	
BLACK											
2002	18,778	94	3,662	6,711	4,101	2,543	1,296	357	12	2	
2001	19,436	111	4,048	6,880	4,103	2,534	1,404	339	14	3	
2000	20,325	94	4,489	7,174	4,263	2,605	1,365	322	10	3	
PACIFIC ISLANDER											
2002	707	3	125	284	167	69	48	10	1	-	
2001	734	2	124	288	168	89	50	12	1	-	
2000	743	3	139	281	158	95	53	14	-	-	
WHITE											
2002	32,057	57	6,093	11,416	6,449	4,286	2,753	945	57	1	
2001	32,264	58	6,558	11,411	6,117	4,345	2,816	888	67	4	
2000	32,745	72	7,236	11,029	6,393	4,272	2,855	835	52	1	
OTHER											
2002	87	-	11	36	13	14	8	5	-	-	
2001	99	-	17	39	17	11	11	4	-	-	
2000	72	-	11	29	17	9	6	-	-	-	
UNKNOWN											
2002	1,087	6	192	377	207	155	92	43	11	4	
2001	842	2	191	243	166	115	80	32	9	4	
2000	725	2	163	251	120	88	61	20	4	16	

- Represents zero events.

¹ The race/ethnic groups in this table provide a mutually exclusive list with Hispanic, 2 or more race groups, and single races.

American Indian includes Eskimo and Aleut; Pacific Islander includes Hawaiian.

These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-6. NUMBER AND PERCENT OF LIVE BIRTHS WITH SELECTED MEDICAL CHARACTERISTICS
BY RACE/ETHNIC GROUP¹ OF MOTHER, CALIFORNIA, 2002 (By Place of Residence)

RACE/ETHNIC GROUP OF MOTHER	Late or No Prenatal Care ^{2†}	Preterm Birth ^{3†}	Cesarean Birth	Low Birthweight ⁴
CALIFORNIA	13,606 7,975	52,067 26,089	141,679 68,742	33,859 15,152
HISPANIC	203	696	1,694	494
NON-HISPANIC	137	215	511	116
2 OR MORE RACE GROUPS	1,139	5,592	15,462	4,427
AMERICAN INDIAN	977	4,220	9,161	3,502
ASIAN	156	281	616	147
BLACK	2,917	14,572	44,379	9,662
PACIFIC ISLANDER	102	402	1,114	359
WHITE/OTHER				
NOT STATED				
MEDICAL CHARACTERISTICS AS A PERCENT OF TOTAL BIRTHS TO A SPECIFIED GROUP				
CALIFORNIA	2.6	10.5	26.8	6.4
HISPANIC	3.1	10.6	26.1	5.8
NON-HISPANIC				
2 OR MORE RACE GROUPS	3.0	10.8	24.9	7.3
AMERICAN INDIAN	7.1	12.1	26.0	5.9
ASIAN	1.9	9.9	26.0	7.5
BLACK	3.4	15.4	30.7	11.7
PACIFIC ISLANDER	6.6	12.5	25.5	6.1
WHITE/OTHER	1.8	9.5	27.5	6.0
NOT STATED	2.7	11.4	26.6	8.6

¹ The race/ethnic groups in this table provide a mutually exclusive list with Hispanic, 2 or more race groups, and single races. American Indian includes Eskimo and Aleut; Pacific Islander includes Hawaiian. These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

² Third trimester or no prenatal care.

³ Birth prior to 37 weeks of gestation.

⁴ Birthweight of less than 2,500 grams (5.5 pounds).

[†] Births with unknown values were subtracted from total births before percentages were calculated.
Unknown weeks of gestation include gestation reported as: under 17 weeks, over 53 weeks, and not stated.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-7. NUMBER AND PERCENT OF LIVE BIRTHS WITH SELECTED DEMOGRAPHIC CHARACTERISTICS BY RACE/ETHNIC GROUP¹
OF MOTHER, CALIFORNIA, 2002 (By Place of Residence)

RACE/ETHNIC GROUP OF MOTHER	Mothers Under 20 Years of Age	Mothers Completing 12 Years or More of School	Mothers Born in the United States	Unmarried Mothers	4th & Higher Birth Order	Fathers Under 20 Years of Age	Fathers Completing 12 Years or More of School
CALIFORNIA	50,944	368,573	282,794	174,637	64,165	17,469	348,116
HISPANIC	35,163	131,891	94,158	111,076	39,928	12,157	121,122
NON-HISPANIC							
2 OR MORE RACE GROUPS	857	5,869	5,815	2,754	652	299	5,574
AMERICAN INDIAN	279	1,461	1,929	1,015	372	106	1,322
ASIAN	1,772	53,828	7,497	7,076	3,185	612	53,316
BLACK	24,189	27,410	18,778	5,297	1,358	60	21,024
PACIFIC ISLANDER	168	2,086	1,115	707	529	1,947	
WHITE/OTHER	8,445	148,443	142,394	32,144	13,767	2,794	143,028
NOT STATED	252	806	2,476	1,087	435	83	783

DEMOGRAPHIC CHARACTERISTICS AS A PERCENT[†] OF TOTAL BIRTHS TO SPECIFIED GROUP:

CALIFORNIA	9.6	71.2	53.5	33.0	12.1	3.6	72.5
HISPANIC	13.4	51.1	35.8	42.3	15.2	5.0	51.2
NON-HISPANIC							
2 OR MORE RACE GROUPS	12.6	87.1	85.5	40.4	9.6	4.9	91.1
AMERICAN INDIAN	14.2	75.2	98.1	51.6	18.9	6.3	79.6
ASIAN	3.0	91.8	12.7	11.9	5.4	1.1	93.5
BLACK	13.4	83.7	92.2	63.0	17.8	5.7	90.0
PACIFIC ISLANDER	7.0	87.6	46.8	29.3	22.0	2.7	88.3
WHITE/OTHER	5.2	92.8	88.2	19.9	8.5	1.8	94.0
NOT STATED	6.0	85.5	60.8	26.2	10.6	2.2	87.4

¹ The race/ethnic groups in this table provide a mutually exclusive list with Hispanic origin, 2 or more races, and single races.
American Indian includes Eskimo and Aleut; Pacific Islander includes Hawaiian.
These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

[†] Births with unknown (not stated) characteristics were subtracted from totals before percentages were calculated.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-8. LIVE BIRTHS BY BIRTHWEIGHT, WEEKS OF GESTATION, AND BY RACE/ETHNIC¹ GROUP OF MOTHER, CALIFORNIA, 2002 (By Place of Residence)

BIRTHWEIGHT AND WEEKS OF GESTATION	TOTAL	HISPANIC	NON-HISPANIC				RACE/ETHNICITY OF MOTHER		
			2 OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER	WHITE/OTHER RACES	UNKNOWN
TOTAL LIVE BIRTHS	529,245	263,023	6,813	1,966	59,376	29,807	2,411	161,663	4,186
UNDER 1,500 GRAMS	6,127	2,772	82	21	614	837	32	1,665	104
17- UNDER 37 COMPLETED WEEKS	5,079	2,246	68	16	528	685	23	1,434	79
37- UNDER 42 COMPLETED WEEKS	279	140	4	3	26	41	3	61	1
42- UNDER 53 COMPLETED WEEKS	52	28	1	-	4	5	1	13	-
NOT STATED	717	358	9	2	56	106	5	157	24
1,500-2,499 GRAMS	27,732	12,380	412	95	3,813	2,665	115	7,997	255
17- UNDER 37 COMPLETED WEEKS	14,784	6,392	254	52	1,876	1,331	64	4,697	118
37- UNDER 42 COMPLETED WEEKS	10,052	4,611	123	31	1,626	965	40	2,586	70
42- UNDER 53 COMPLETED WEEKS	666	349	11	2	75	67	6	151	5
NOT STATED	2,230	1,028	24	10	236	302	5	563	62
2,500-3,499 GRAMS	285,471	142,362	3,628	993	38,507	17,845	1,091	78,912	2,133
17- UNDER 37 COMPLETED WEEKS	25,165	13,056	304	105	2,720	1,816	125	6,869	170
37- UNDER 42 COMPLETED WEEKS	223,754	110,040	2,807	691	31,930	13,203	821	62,791	1,471
42- UNDER 53 COMPLETED WEEKS	19,355	10,243	291	85	2,096	1,421	76	5,016	127
NOT STATED	17,197	9,023	226	112	1,761	1,405	69	4,236	365
3,500-4,499 GRAMS	201,764	101,571	2,578	795	16,034	8,164	1,086	69,916	1,620
17- UNDER 37 COMPLETED WEEKS	6,777	4,233	68	38	456	373	61	5,154	34
37- UNDER 42 COMPLETED WEEKS	164,898	81,260	2,117	601	13,697	6,392	841	58,751	1,239
42- UNDER 53 COMPLETED WEEKS	18,747	9,847	262	102	1,154	798	114	6,318	152
NOT STATED	11,342	6,231	131	54	727	601	70	3,353	195
4,500 GRAMS OR MORE	8,143	3,938	113	62	407	295	87	3,172	69
17- UNDER 37 COMPLETED WEEKS	262	162	2	4	12	15	8	58	1
37- UNDER 42 COMPLETED WEEKS	6,443	3,071	86	43	337	225	62	2,574	45
42- UNDER 53 COMPLETED WEEKS	961	441	17	8	45	39	11	387	13
NOT STATED	477	264	8	7	13	16	6	153	10
NOT STATED	8	-	-	-	1	1	-	1	5
17- UNDER 37 COMPLETED WEEKS	-	-	-	-	-	-	-	-	-
37- UNDER 42 COMPLETED WEEKS	1	-	-	-	-	-	-	1	-
42- UNDER 53 COMPLETED WEEKS	-	-	-	-	-	-	-	-	-
NOT STATED	7	-	-	-	1	1	-	-	5

- Represents zero events.

¹ The race/ethnic groups in this table provide a mutually exclusive list with Hispanic, 2 or more race groups, and single races. American Indian includes Eskimo and Aleut; Pacific Islander includes Hawaiian. These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Note: "Not Stated" as to weeks of gestation categories, includes not only those not stated, but also 306 live births of less than 17 weeks gestation and 1,422 live births of 53 weeks or more gestation. These categories reflect reporting inaccuracies rather than actual gestation periods.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-9. NUMBER AND PERCENT OF LIVE BIRTHS BY NUMBER OF PRENATAL VISITS AND RACE/ETHNIC¹ GROUP OF MOTHER, CALIFORNIA, 2002
(By Place of Residence)

RACE/ETHNIC GROUP OF MOTHER	TOTAL	NUMBER OF PRENATAL VISITS							
		NONE	1-4	5-8	9-12	13-16	17-20	21-29	30 AND OVER
NUMBER OF BIRTHS									
TOTAL BIRTHS	529,245	2,620	10,839	53,789	237,415	169,081	31,266	5,703	2,504
HISPANIC	263,023	1,315	6,213	28,854	118,270	79,738	14,701	2,470	923
NON-HISPANIC									
2 OR MORE RACE GROUPS	6,813	46	177	731	3,016	2,149	441	96	41
AMERICAN INDIAN	1,966	42	95	310	813	524	94	21	14
ASIAN	59,376	159	911	6,477	28,985	18,203	2,903	452	208
BLACK	29,807	268	992	3,323	11,437	9,631	2,158	429	234
PACIFIC ISLANDER	2,411	27	137	379	1,079	619	101	17	4
WHITE/OTHER	161,663	719	2,241	13,360	71,882	57,188	10,636	2,171	1,054
UNKNOWN	4,186	44	73	355	1,933	1,029	232	47	26
PERCENT OF BIRTHS									
TOTAL BIRTHS	100.0	0.5	2.1	10.5	46.3	32.9	6.1	1.1	0.5
HISPANIC	100.0	0.5	2.5	11.4	46.8	31.6	5.8	1.0	0.4
NON-HISPANIC									
2 OR MORE RACE GROUPS	100.0	0.7	2.6	10.9	45.0	32.1	6.6	1.4	0.6
AMERICAN INDIAN	100.0	2.2	5.0	16.2	42.5	27.4	4.9	1.1	0.7
ASIAN	100.0	0.3	1.6	11.1	49.7	31.2	5.0	0.8	0.4
BLACK	100.0	0.9	3.5	11.7	40.2	33.8	7.6	1.5	0.8
PACIFIC ISLANDER	100.0	1.1	5.8	16.0	45.7	26.2	4.3	0.7	0.2
WHITE/OTHER	100.0	0.5	1.4	8.4	45.1	35.9	6.7	1.4	0.7
UNKNOWN	100.0	1.2	2.0	9.5	51.7	27.5	6.2	1.3	0.7

¹ The race/ethnic groups in this table provide a mutually exclusive list with Hispanic, 2 or more race groups, and single races.
American Indian includes Eskimo and Aleut; Pacific Islander includes Hawaiian.
These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Note: Percents are rounded independently and may not add to totals.
Births with unknown values were subtracted from total births before percentages were calculated.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-10. LIVE BIRTHS BY NUMBER OF PRENATAL VISITS AND BY RACE¹ OF MOTHER, CALIFORNIA, 2002 (By Place of Residence)

RACE OF MOTHER	TOTAL	NUMBER OF PRENATAL VISITS							
		NONE	1-4	5-8	9-12	13-16	17-20	21-29	30 AND OVER
TOTAL BIRTHS	529,245	2,620	10,839	53,789	237,415	169,081	31,266	5,703	2,504
2 OR MORE RACE GROUPS	9,793	65	267	1,098	4,270	3,023	677	131	66
AMERICAN INDIAN	2,484	48	113	378	1,063	661	112	27	14
BLACK	30,425	274	1,018	3,393	11,701	9,807	2,195	436	241
CAMBODIAN	1,600	11	59	265	679	475	55	10	3
CHINESE	12,584	10	120	982	6,354	4,095	553	87	44
ESKIMO/ALEUT	10	-	1	1	6	2	-	-	-
FILIPINO	14,724	70	290	1,864	7,127	4,215	750	138	57
GUAMANIAN	272	5	7	45	118	79	12	1	1
HAWAIIAN	281	2	8	35	131	79	19	-	3
HMONG	1,619	8	56	358	729	407	42	-	4
INDIAN (INDIA)	7,898	7	84	679	3,998	2,387	459	79	37
JAPANESE	2,765	9	25	227	1,200	1,029	197	24	19
KOREAN	4,553	4	60	370	2,195	1,588	265	21	15
LAOTIAN	961	9	31	163	441	264	34	3	13
SAMOAN	755	10	59	118	309	197	38	8	-
THAI	698	4	19	75	309	227	40	7	1
VIETNAMESE	8,796	18	110	1,158	4,523	2,470	305	53	17
WHITE/OTHER	420,015	2,002	8,310	41,646	188,115	135,584	25,016	4,588	1,941
OTHER ASIAN	3,618	9	66	384	1,645	1,168	225	35	14
OTHER PACIFIC ISLANDER	1,188	11	63	192	562	286	39	8	2
NOT STATED	4,206	44	73	358	1,940	1,038	233	47	26

- Represents zero events.

¹ The list of races in this table is compiled by identifying mothers reporting 2 or more race groups before tabulating single races. This list of races is not comparable with races used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-11. LIVE BIRTHS BY TRIMESTER PRENATAL CARE BEGAN AND BY RACE/ETHNIC GROUP¹ AND AGE OF MOTHER, CALIFORNIA, 2002
(By Place of Residence)

RACE/ETHNIC GROUP AND TRIMESTER PRENATAL CARE BEGAN	TOTAL	AGE OF MOTHER										
		UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	50 AND OVER	UNKNOWN
TOTAL	529,245	743	16,660	33,541	123,056	137,237	130,368	69,873	16,553	1,081	95	38
FIRST	448,955	362	11,319	25,199	99,357	118,452	116,409	62,413	14,394	956	81	13
SECOND	56,746	249	3,788	6,064	16,897	13,252	9,759	5,125	1,513	87	11	1
THIRD	10,974	78	835	1,150	3,278	2,561	1,831	959	269	12	1	-
NO PRENATAL CARE	2,632	15	202	261	810	591	419	258	70	6	-	-
UNKNOWN	9,938	39	516	867	2,714	2,381	1,950	1,118	307	20	2	24
HISPANIC	263,023	550	12,242	22,371	75,441	71,734	50,842	24,161	5,366	295	7	14
FIRST	216,137	293	8,493	16,995	60,851	60,561	43,641	20,672	4,378	242	5	6
SECOND	32,913	174	2,661	3,869	10,272	7,770	5,010	2,408	704	42	2	1
THIRD	6,655	46	587	752	2,088	1,587	993	472	125	5	-	-
NO PRENATAL CARE	1,320	10	128	159	420	296	187	92	27	1	-	-
UNKNOWN	5,998	27	373	596	1,810	1,520	1,011	517	132	5	-	7
NON-HISPANIC												
2 OR MORE RACE GROUPS	6,813	10	267	580	1,800	1,619	1,511	815	198	12	1	-
FIRST	5,733	4	165	435	1,446	1,391	1,361	734	184	12	1	-
SECOND	806	4	73	113	259	161	119	66	11	-	-	-
THIRD	157	1	19	19	50	40	19	8	1	-	-	-
NO PRENATAL CARE	46	1	5	5	21	9	3	2	-	-	-	-
UNKNOWN	71	-	5	8	24	18	9	5	2	-	-	-
AMERICAN INDIAN	1,966	3	74	202	625	493	354	168	47	-	-	-
FIRST	1,445	-	47	134	427	384	290	123	40	-	-	-
SECOND	347	1	18	52	122	73	46	30	5	-	-	-
THIRD	95	2	5	13	38	17	11	7	2	-	-	-
NO PRENATAL CARE	42	-	1	1	21	8	4	7	-	-	-	-
UNKNOWN	37	-	3	2	17	11	3	1	-	-	-	-
ASIAN	59,376	18	530	1,224	6,526	15,991	21,387	11,175	2,355	148	20	2
FIRST	51,727	5	272	772	5,017	14,061	19,272	10,110	2,080	120	16	2
SECOND	5,599	8	214	346	1,152	1,409	1,502	739	204	21	4	-
THIRD	979	5	27	72	210	259	246	124	31	5	-	-
NO PRENATAL CARE	160	-	9	10	54	41	27	15	4	-	-	-
UNKNOWN	911	-	8	24	93	221	340	187	36	2	-	-
BLACK	29,807	95	1,268	2,645	8,708	7,148	5,845	3,145	907	41	3	2
FIRST	24,076	26	836	1,959	6,952	5,912	4,969	2,641	740	38	3	-
SECOND	3,966	42	299	502	1,229	862	595	342	93	2	-	-
THIRD	706	18	74	76	201	133	110	66	28	-	-	-
NO PRENATAL CARE	271	3	23	26	72	54	48	37	8	-	-	-
UNKNOWN	788	6	36	82	254	187	123	59	38	1	-	2
PACIFIC ISLANDER	2,411	3	36	129	662	690	538	283	69	1	-	-
FIRST	1,707	1	13	77	441	519	395	215	45	1	-	-
SECOND	504	2	9	37	161	133	101	46	15	-	-	-
THIRD	128	-	6	8	38	26	28	15	7	-	-	-
NO PRENATAL CARE	28	-	4	4	5	5	7	3	-	-	-	-
UNKNOWN	44	-	4	3	17	7	7	4	2	-	-	-
WHITE/OTHER	161,663	58	2,158	6,229	28,541	38,654	48,704	29,373	7,354	541	46	5
FIRST	144,818	30	1,451	4,727	23,669	34,878	45,499	27,308	6,708	506	38	4
SECOND	12,294	18	494	1,118	3,613	2,789	2,317	1,452	466	22	5	-
THIRD	2,196	6	111	208	639	481	414	262	72	2	1	-
NO PRENATAL CARE	721	-	29	54	204	174	134	96	27	3	-	-
UNKNOWN	1,634	4	73	122	416	332	340	255	81	8	2	1
UNKNOWN	4,186	6	85	161	753	908	1,187	753	257	43	18	15
FIRST	3,312	3	42	100	554	746	982	610	219	37	18	1
SECOND	317	-	20	27	89	55	69	42	15	-	-	-
THIRD	58	-	6	2	14	18	10	5	3	-	-	-
NO PRENATAL CARE	44	1	3	2	13	4	9	6	4	2	-	-
UNKNOWN	455	2	14	30	83	85	117	90	16	4	-	14

- Represents zero events.

¹ The race/ethnic groups in this table provide a mutually exclusive list with Hispanic, 2 or more race groups, and single races. American Indian includes Eskimo and Aleut; Pacific Islander includes Hawaiian.

These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-12. LIVE BIRTHS BY BIRTHWEIGHT AND BY RACE/ETHNIC GROUP¹ AND AGE OF MOTHER, CALIFORNIA, 2002 (By Place of Residence)

RACE/ETHNIC GROUP OF MOTHER AND BIRTHWEIGHT OF CHILD	TOTAL	AGE OF MOTHER										
		UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	50 AND OVER	NOT STATED
TOTAL	529,245	743	16,660	33,541	123,056	137,237	130,368	69,873	16,553	1,081	95	38
UNDER 1500 GRAMS	6,127	21	246	388	1,299	1,300	1,565	976	282	44	5	1
1500-2499 GRAMS	27,732	58	1,077	1,956	5,933	6,346	6,593	4,279	1,280	189	17	4
2500-3499 GRAMS	285,471	464	10,494	20,327	69,854	72,944	67,297	35,046	8,438	539	48	20
3500-4499 GRAMS	201,764	197	4,752	10,596	44,534	54,385	52,551	28,196	6,227	292	25	9
4500 GRAMS OR MORE	8,143	3	91	273	1,436	2,262	2,361	1,374	326	17	-	-
WEIGHT UNKNOWN	8	-	-	1	-	-	1	2	-	-	-	4
HISPANIC	263,023	550	12,242	22,371	75,441	71,734	50,842	24,161	5,366	295	7	14
UNDER 1500 GRAMS	2,772	15	160	230	691	653	582	346	84	11	-	-
1500-2499 GRAMS	12,380	43	750	1,172	3,339	3,001	2,313	1,355	373	31	1	2
2500-3499 GRAMS	142,362	339	7,736	13,675	43,307	37,483	25,355	11,643	2,675	139	3	7
3500-4499 GRAMS	101,571	150	3,533	7,134	27,285	29,390	21,598	10,261	2,105	107	3	5
4500 GRAMS OR MORE	3,938	3	63	160	819	1,207	994	556	129	7	-	-
WEIGHT UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-
NON-HISPANIC												
2 OR MORE RACE GROUPS	6,813	10	267	580	1,800	1,619	1,511	815	198	12	1	-
UNDER 1500 GRAMS	82	1	3	6	26	15	12	12	7	-	-	-
1500-2499 GRAMS	412	2	13	46	99	89	82	66	10	5	-	-
2500-3499 GRAMS	3,628	6	173	337	995	815	780	413	106	2	1	-
3500-4499 GRAMS	2,578	1	76	180	652	669	614	311	70	5	-	-
4500 GRAMS OR MORE	113	-	2	11	28	31	23	13	5	-	-	-
WEIGHT UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-
AMERICAN INDIAN	1,966	3	74	202	625	493	354	168	47	-	-	-
UNDER 1500 GRAMS	21	-	1	2	6	2	6	4	-	-	-	-
1500-2499 GRAMS	95	-	2	11	25	22	21	11	3	-	-	-
2500-3499 GRAMS	993	1	40	112	321	254	161	85	19	-	-	-
3500-4499 GRAMS	795	2	31	71	255	199	151	64	22	-	-	-
4500 GRAMS OR MORE	62	-	-	6	18	16	15	4	3	-	-	-
WEIGHT UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-
ASIAN	59,376	18	530	1,224	6,526	15,991	21,387	11,175	2,355	148	20	2
UNDER 1500 GRAMS	614	-	9	18	78	110	217	125	46	9	2	-
1500-2499 GRAMS	3,813	1	61	115	447	969	1,192	806	191	31	-	-
2500-3499 GRAMS	38,507	14	382	865	4,507	10,659	13,809	6,769	1,413	77	11	1
3500-4499 GRAMS	16,034	3	77	224	1,463	4,150	6,010	3,380	688	31	7	1
4500 GRAMS OR MORE	407	-	1	1	31	103	159	95	17	-	-	-
WEIGHT UNKNOWN	1	-	-	1	-	-	-	-	-	-	-	-
BLACK	29,807	95	1,268	2,645	8,708	7,148	5,845	3,145	907	41	3	2
UNDER 1500 GRAMS	837	3	33	55	217	169	207	116	35	2	-	-
1500-2499 GRAMS	2,665	7	111	253	707	549	568	345	113	11	-	1
2500-3499 GRAMS	17,845	68	847	1,741	5,421	4,285	3,225	1,747	489	19	2	1
3500-4499 GRAMS	8,164	17	271	587	2,305	2,058	1,759	905	254	7	1	-
4500 GRAMS OR MORE	295	-	6	9	58	87	85	32	16	2	-	-
WEIGHT UNKNOWN	1	-	-	-	-	-	1	-	-	-	-	-
PACIFIC ISLANDER	2,411	3	36	129	662	690	538	283	69	1	-	-
UNDER 1500 GRAMS	32	-	-	2	5	7	12	6	-	-	-	-
1500-2499 GRAMS	115	-	5	3	29	30	31	14	3	-	-	-
2500-3499 GRAMS	1,091	1	21	68	342	293	220	118	28	-	-	-
3500-4499 GRAMS	1,086	2	10	53	272	332	252	128	36	1	-	-
4500 GRAMS OR MORE	87	-	-	3	14	28	23	17	2	-	-	-
WEIGHT UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-
WHITE/OTHER	161,663	58	2,158	6,229	28,541	38,654	48,704	29,373	7,354	541	46	5
UNDER 1500 GRAMS	1,665	2	35	69	263	328	500	346	103	18	-	1
1500-2499 GRAMS	7,997	4	132	352	1,241	1,642	2,332	1,630	555	96	12	1
2500-3499 GRAMS	78,912	32	1,243	3,424	14,563	18,677	23,164	13,907	3,586	288	25	3
3500-4499 GRAMS	69,916	20	730	2,303	12,013	17,233	21,670	12,845	2,962	131	9	-
4500 GRAMS OR MORE	3,172	-	18	81	461	774	1,038	644	148	8	-	-
WEIGHT UNKNOWN	1	-	-	-	-	-	-	1	-	-	-	-
UNKNOWN	4,186	6	85	161	753	908	1,187	753	257	43	18	15
UNDER 1500 GRAMS	104	-	5	6	13	16	29	21	7	4	3	-
1500-2499 GRAMS	255	1	3	4	46	44	54	52	32	15	4	-
2500-3499 GRAMS	2,133	3	52	105	398	478	583	364	122	14	6	8
3500-4499 GRAMS	1,620	2	24	44	289	354	497	302	90	10	5	3
4500 GRAMS OR MORE	69	-	1	2	7	16	24	13	6	-	-	-
WEIGHT UNKNOWN	5	-	-	-	-	-	-	1	-	-	-	4

- Represents zero events.

¹ The race/ethnic groups in this table provide a mutually exclusive list with Hispanic, 2 or more race groups, and single races.

American Indian includes Eskimo and Aleut; Pacific Islander includes Hawaiian.

These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-13. LIVE BIRTHS BY BIRTHWEIGHT, TRIMESTER PRENATAL CARE BEGAN, AND BY RACE/ETHNIC GROUP¹ OF MOTHER, CALIFORNIA, 2002
(By Place of Residence)

BIRTHWEIGHT AND TRIMESTER PRENATAL CARE BEGAN		RACE/ETHNIC GROUP OF MOTHER							
	TOTAL	HISPANIC	2 OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER	WHITE/ OTHER	UNKNOWN
TOTAL LIVE BIRTHS UNDER 1,500 GRAMS	529,245	263,023	6,813	1,966	59,376	29,807	2,411	161,663	4,186
FIRST TRIMESTER	5,132	2,279	70	15	530	677	23	1,467	71
SECOND TRIMESTER	590	287	8	5	52	91	6	127	14
THIRD TRIMESTER	57	32	-	-	4	8	1	12	-
NO PRENATAL CARE	142	80	4	-	6	23	2	26	1
NOT STATED	206	94	-	1	22	38	-	33	18
1,500-2,499 GRAMS	27,732	12,380	412	95	3,813	2,665	115	7,997	255
FIRST TRIMESTER	23,037	9,934	339	74	3,287	2,099	85	7,030	189
SECOND TRIMESTER	3,063	1,592	57	16	371	370	22	615	20
THIRD TRIMESTER	590	320	8	4	59	64	4	126	5
NO PRENATAL CARE	357	165	4	-	22	39	4	110	13
NOT STATED	685	369	4	1	74	93	-	116	28
2,500-3,499 GRAMS	285,471	142,362	3,628	993	38,507	17,845	1,091	78,912	2,133
FIRST TRIMESTER	240,498	116,172	3,032	712	33,453	14,302	774	70,405	1,648
SECOND TRIMESTER	31,619	18,314	433	182	3,727	2,454	238	6,103	168
THIRD TRIMESTER	6,351	3,863	98	48	661	439	49	1,157	36
NO PRENATAL CARE	1,488	748	26	26	98	168	11	384	27
NOT STATED	5,515	3,265	39	25	568	482	19	863	254
3,500-4,499 GRAMS	201,764	101,571	2,578	795	16,034	8,164	1,086	69,916	1,620
FIRST TRIMESTER	173,301	84,479	2,195	596	14,103	6,743	765	63,072	1,348
SECOND TRIMESTER	20,665	12,274	297	136	1,405	1,020	221	5,203	109
THIRD TRIMESTER	3,808	2,343	50	39	252	190	67	851	16
NO PRENATAL CARE	622	318	10	15	30	41	11	194	3
NOT STATED	3,368	2,157	26	9	244	170	22	596	144
4,500 GRAMS OR MORE	8,143	3,938	113	62	407	295	87	3,172	69
FIRST TRIMESTER	6,986	3,273	97	48	354	255	60	2,843	56
SECOND TRIMESTER	809	446	11	8	44	31	17	246	6
THIRD TRIMESTER	168	97	1	4	3	5	7	50	1
NO PRENATAL CARE	22	9	2	1	3	-	-	7	-
NOT STATED	158	113	2	1	3	4	3	26	6
NOT STATED	8	-	-	-	1	1	-	1	5
FIRST TRIMESTER	1	-	-	-	-	-	-	1	-
SECOND TRIMESTER	-	-	-	-	-	-	-	-	-
THIRD TRIMESTER	-	-	-	-	-	-	-	-	-
NO PRENATAL CARE	1	-	-	-	1	-	-	-	-
NOT STATED	6	-	-	-	-	1	-	-	5

- Represents zero events.

¹ The race/ethnic groups in this table provide a mutually exclusive list with Hispanic, 2 or more race groups, and single races. American Indian includes Eskimo and Aleut; Pacific Islander includes Hawaiian. These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-14. LIVE BIRTHS BY PLURALITY OF DELIVERY, SEX OF CHILD, AND BY RACE/ETHNIC GROUP¹ OF MOTHER, CALIFORNIA, 2002
(By Place of Residence)

PLURALITY OF DELIVERY AND SEX OF CHILD	TOTAL ²	HISPANIC	RACE/ETHNIC GROUP OF MOTHER					
			2 OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER	WHITE/ OTHER
TOTAL BIRTHS	529,245	263,023	6,813	1,966	59,376	29,807	2,411	161,663
MALE	270,380	133,814	3,435	1,003	30,567	15,227	1,275	82,863
FEMALE	258,857	129,207	3,378	963	28,807	14,579	1,136	78,798
SINGLE BIRTH	513,778	257,659	6,575	1,907	57,785	28,679	2,361	154,874
MALE	262,595	131,195	3,321	973	29,725	14,681	1,243	79,387
FEMALE	251,177	126,462	3,254	934	28,058	13,998	1,118	75,486
TWIN BIRTH	14,694	5,171	217	56	1,526	1,098	50	6,358
MALE	7,404	2,525	106	28	810	538	32	3,259
FEMALE	7,288	2,646	111	28	716	559	18	3,098
TRIPLET BIRTH	738	180	21	3	61	30	-	417
MALE	365	90	8	2	32	8	-	208
FEMALE	373	90	13	1	29	22	-	209
QUADRUPLET BIRTH	34	12	-	-	4	-	-	14
MALE	15	3	-	-	-	-	-	9
FEMALE	19	9	-	-	4	-	-	5
NOT STATED	1	1	-	-	-	-	-	-
MALE	1	1	-	-	-	-	-	-
FEMALE	-	-	-	-	-	-	-	-

- Represents zero events.

¹ The race/ethnic groups in this table provide a mutually exclusive list with Hispanic, 2 or more race groups, and single races. American Indian includes Eskimo and Aleut; Pacific Islander includes Hawaiian. These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

² Eight births where sex of child was not reported are included in the totals.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-15. LIVE BIRTHS BY PLURALITY OF DELIVERY, SEX OF CHILD, AND BY RACE¹ OF MOTHER, CALIFORNIA, 2002 (By Place of Residence)

RACE OF MOTHER	ALL BIRTHS						PLURALITY OF BIRTH AND SEX OF CHILD							
	TOTAL ²		MALE		FEMALE		SINGLE		TWIN		TRIPLET		QUADRUPLET	
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE
TOTAL	529,245	270,380	258,857	513,778	262,595	251,177	14,694	7,404	7,288	738	365	373	34	15
2 OR MORE RACE GROUPS	9,793	4,930	4,863	9,470	4,779	4,691	296	140	156	27	11	16	-	-
AMERICAN INDIAN	2,484	1,261	1,223	2,406	1,219	1,187	72	38	34	6	4	2	-	-
BLACK	30,425	15,533	14,891	29,291	14,983	14,308	1,104	542	561	30	8	22	-	-
CAMBODIAN	1,600	827	773	1,580	818	762	20	9	11	-	-	-	-	-
CHINESE	12,584	6,549	6,035	12,199	6,325	5,874	369	217	152	16	7	9	-	-
ESKIMO/ALEUT	10	4	6	10	4	6	-	-	-	-	-	-	-	-
FILIPINO	14,724	7,594	7,129	14,400	7,441	6,958	296	139	157	28	14	14	-	-
GUAMANIAN	272	158	114	269	155	114	3	3	-	-	-	-	-	-
HAWAIIAN	281	143	138	279	141	138	2	2	-	-	-	-	-	-
HMONG	1,619	867	752	1,588	846	742	31	21	10	-	-	-	-	-
INDIAN (INDIA)	7,898	4,116	3,782	7,615	3,977	3,638	277	136	141	6	3	3	-	-
JAPANESE	2,765	1,418	1,347	2,655	1,361	1,294	105	54	51	5	3	2	-	-
KOREAN	4,553	2,329	2,224	4,422	2,253	2,169	128	74	54	3	2	1	-	-
LAOTIAN	961	492	469	939	482	457	18	10	8	-	-	4	-	4
SAMOAN	755	401	354	735	392	343	20	9	11	-	-	-	-	-
THAI	698	339	359	682	331	351	10	4	6	4	2	-	-	-
VIETNAMESE	8,796	4,476	4,319	8,603	4,382	4,220	193	94	99	-	-	-	-	-
WHITE/OTHER	420,015	214,355	205,656	407,991	208,318	199,670	11,412	5,732	5,679	585	292	293	26	12
OTHER ASIAN	3,618	1,766	1,852	3,523	1,710	1,813	95	56	39	-	-	-	-	1
OTHER PACIFIC ISLANDER	1,188	615	573	1,163	597	566	25	18	7	-	-	-	-	-
NOT STATED	4,206	2,207	1,998	3,958	2,081	1,876	218	106	112	26	17	9	4	3
													1	1

- Represents zero events.

¹ The list of races in this table is compiled by identifying mothers reporting 2 or more race groups before tabulating single races. This list of races is not comparable with races used in Vital Statistics of California reports prior to 2000. See Chapter 6.

² Eight births where the sex of child was not reported are included in the totals.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-16. LIVE BIRTHS BY METHOD OF DELIVERY AND AGE OF MOTHER, CALIFORNIA, 2002 (By Place of Residence)

AGE OF MOTHER	TOTAL BIRTHS	CESAREAN DELIVERIES				VAGINAL DELIVERIES			
		TOTAL CESAREAN DELIVERIES	PERCENT OF TOTAL LIVE BIRTHS	REPEAT CESAREAN DELIVERIES	PERCENT OF TOTAL CESAREAN	TOTAL VAGINAL DELIVERIES	PERCENT OF TOTAL LIVE BIRTHS	POST CESAREAN DELIVERIES	PERCENT OF VAGINAL DELIVERIES
TOTAL	529,245	141,679	26.8	58,657	41.4	387,566	73.2	5,127	1.3
UNDER 15	743	125	16.8	2	1.6	618	83.2	-	-
15-19	50,201	8,722	17.4	1,176	13.5	41,479	82.6	96	0.2
20-24	123,056	26,205	21.3	9,090	34.7	96,851	78.7	742	0.8
25-29	137,237	34,819	25.4	15,018	43.1	102,418	74.6	1,372	1.3
30-34	130,368	39,090	30.0	17,921	45.8	91,278	70.0	1,664	1.8
35-39	69,873	25,058	35.9	12,129	48.4	44,815	64.1	998	2.2
40-44	16,553	6,964	42.1	3,126	44.9	9,589	57.9	239	2.5
45 AND OVER	1,176	691	58.8	194	28.1	485	41.2	16	3.3
UNKNOWN	38	5	13.2	1	20.0	33	86.8	-	-

- Represents zero events.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-17. MOST POPULAR BABY NAMES, CALIFORNIA, 2002 (By Place of Residence)

GIRLS			BOYS				
	NAME	2002 NUMBER		NAME	2002 NUMBER		
NAME		2001 RANK			2001 RANK		
1	EMILY	3,012	1	1	DANIEL	4,099	1
2	ASHLEY	2,667	2	2	ANTHONY	3,753	2
3	SAMANTHA	2,534	3	3	JOSE	3,533	4
4	JESSICA	1,991	4	4	ANDREW	3,521	3
5	JENNIFER	1,976	6	5	JACOB	3,351	5
6	ISABELLA	1,875	16	6	JOSHUA	3,343	8
7	ALYSSA	1,870	5	7	MICHAEL	3,205	7
8	ELIZABETH	1,696	8	8	DAVID	3,162	6
9	JASMINE	1,657	10	9	MATTHEW	3,080	9
10	NATALIE	1,633	7	10	ANGEL	2,907	13
11	ALEXIS	1,577	9	11	CHRISTOPHER	2,884	10
12	SARAH	1,548	11	12	JONATHAN	2,714	11
13	MADISON	1,525	12	13	JOSEPH	2,674	12
14	HANNAH	1,486	13	14	ALEXANDER	2,377	21
15	STEPHANIE	1,463	14	15	KEVIN	2,339	14
16	BRIANNA	1,457	18	16	RYAN	2,279	16
17	ANDREA	1,338	15	17	CHRISTIAN	2,253	15
18	SOPHIA	1,321	-	18	BRANDON	2,251	18
19	MARIA	1,301	20	19	ETHAN	2,249	-
20	EMMA	1,285	-	20	NICHOLAS	2,190	17
21	MICHELLE	1,276	24	21	JUAN	2,042	23
22	VANESSA	1,253	17	22	LUIS	1,970	19
23	VICTORIA	1,208	25	23	JESUS	1,969	20
24	KIMBERLY	1,207	19	24	NATHAN	1,934	-
25	LESLIE	1,206	-	25	JUSTIN	1,926	22

- Not in top 25.

Source: State of California, Department of Health Services, Birth Records

TABLE 2-18. LIVE BIRTHS, CALIFORNIA COUNTIES, 1992-2002 (By Place of Residence)

COUNTY											
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
CALIFORNIA	600,838	584,483	567,034	551,226	538,628	524,174	521,265	518,073	531,285	527,371	529,245
ALAMEDA	22,678	21,919	21,387	20,941	20,668	20,766	20,933	20,547	22,164	22,029	21,802
ALPINE	15	8	6	11	10	7	15	12	9	12	11
AMADOR	306	274	276	247	289	270	263	264	235	264	260
BUTTE	2,607	2,600	2,482	2,518	2,475	2,253	2,267	2,256	2,196	2,314	2,268
CALAVERAS	389	356	380	382	320	327	288	325	309	323	338
COLUSA	318	324	334	317	302	307	314	335	330	358	307
CONTRA COSTA	12,737	12,659	12,431	12,483	12,284	12,294	12,506	12,586	13,204	13,126	13,315
DEL NORTE	358	351	343	310	333	324	316	298	316	275	288
EL DORADO	1,773	1,789	1,792	1,726	1,664	1,666	1,677	1,637	1,628	1,698	1,765
FRESNO	16,143	16,122	15,540	15,078	14,637	14,116	14,363	14,019	14,262	14,290	14,766
GLENN	482	419	461	442	440	427	380	386	385	406	408
HUMBOLDT	1,635	1,608	1,597	1,573	1,500	1,478	1,457	1,452	1,371	1,500	1,420
IMPERIAL	2,967	2,849	2,723	2,637	2,497	2,381	2,500	2,464	2,572	2,597	2,662
INYO	237	206	214	242	221	190	201	190	167	180	173
KERN	12,965	12,529	12,613	11,942	11,557	11,271	11,521	11,377	11,680	11,723	12,211
KINGS	2,296	2,305	2,234	2,141	2,255	2,084	2,164	2,149	2,174	2,134	2,311
LAKE	737	635	656	675	581	565	566	579	583	609	636
LASSEN	323	315	306	298	297	328	294	284	263	243	301
LOS ANGELES	197,415	189,706	180,394	174,862	168,973	162,036	158,604	156,153	157,391	153,523	151,167
MADERA	2,000	1,993	1,944	1,994	2,007	1,987	2,073	1,958	2,107	2,187	2,147
MARIN	2,918	2,801	2,750	2,614	2,642	2,651	2,569	2,650	2,824	2,865	2,772
MARIPOSA	156	178	183	151	154	135	135	126	126	153	130
MENDOCINO	1,135	1,105	1,148	1,131	1,021	1,025	1,082	1,012	1,083	1,061	1,078
MERCED	4,254	4,371	4,143	4,023	3,733	3,610	3,529	3,658	3,874	3,952	4,030
MODOC	83	128	122	122	114	98	81	68	80	63	67
MONO	145	138	127	136	120	118	135	119	128	169	138
MONTEREY	8,198	7,494	7,068	6,810	6,635	6,720	6,813	6,718	6,900	7,176	7,119
NAPA	1,521	1,562	1,505	1,463	1,509	1,499	1,477	1,493	1,497	1,565	1,571
NEVADA	900	872	841	833	794	796	757	770	759	828	823
ORANGE	51,865	51,153	50,020	48,720	48,007	47,487	46,189	46,509	46,980	45,492	44,796
PLACER	2,641	2,633	2,684	2,877	2,760	2,607	2,673	2,954	3,046	3,104	3,484
PLUMAS	179	212	181	168	148	156	126	137	150	147	183
RIVERSIDE	25,323	25,131	24,882	24,220	23,473	23,319	23,230	23,536	24,832	25,382	26,691
SACRAMENTO	19,583	19,314	18,508	18,730	17,844	17,312	17,757	17,737	18,192	18,922	19,243
SAN BENITO	755	806	740	796	798	888	891	974	876	978	920
SAN BERNARDINO	32,821	32,249	31,457	30,109	29,359	28,319	28,245	28,397	28,657	29,215	29,696
SAN DIEGO	50,670	48,870	47,607	45,902	44,886	43,255	43,422	43,261	44,272	43,758	43,951
SAN FRANCISCO	9,602	9,026	9,051	8,592	8,368	8,196	8,157	8,119	8,657	8,233	8,361
SAN JOAQUIN	9,464	9,492	9,356	9,051	8,779	8,719	8,647	8,853	9,603	9,811	10,162
SAN LUIS OBISPO	2,638	2,670	2,689	2,652	2,488	2,491	2,373	2,357	2,435	2,436	2,368
SAN MATEO	10,558	10,302	10,362	9,972	10,042	10,050	10,142	10,108	10,440	10,263	10,091
SANTA BARBARA	6,590	6,601	6,400	5,814	5,977	5,789	5,764	5,496	5,682	5,612	5,698
SANTA CLARA	27,481	26,975	26,639	25,983	26,646	26,416	26,659	26,266	27,612	27,076	27,060
SANTA CRUZ	4,037	3,888	3,676	3,475	3,419	3,559	3,421	3,446	3,505	3,470	3,334
SHASTA	2,250	2,134	2,120	2,034	2,050	2,000	1,943	1,845	1,828	1,942	1,963
SIERRA	23	20	19	23	16	12	19	12	21	11	30
SISKIYOU	391	511	460	492	532	425	461	462	412	427	411
SOLANO	6,523	6,212	5,937	5,694	5,806	5,475	5,510	5,539	5,891	5,763	5,851
SONOMA	5,804	5,614	5,507	5,442	5,503	5,409	5,472	5,420	5,651	5,706	5,679
STANISLAUS	7,560	7,464	7,412	7,284	7,166	6,790	6,927	7,115	7,241	7,586	7,929
SUTTER	1,281	1,159	1,236	1,160	1,143	1,210	1,158	1,127	1,166	1,213	1,263
TEHAMA	719	789	770	728	672	627	651	634	686	636	711
TRINITY	157	137	121	123	145	100	121	90	85	112	106
TULARE	7,442	7,280	7,353	7,150	7,194	6,934	6,890	6,762	7,251	7,319	7,419
TUOLUMNE	546	470	467	492	463	467	429	440	427	439	442
VENTURA	12,513	12,183	11,874	12,069	11,665	11,281	11,576	11,444	11,768	11,329	11,606
YOLO	2,396	2,292	2,275	2,188	2,154	2,106	2,148	2,142	2,246	2,317	2,384
YUBA	1,335	1,280	1,231	1,184	1,093	1,046	984	1,006	1,056	1,049	1,129

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-19. NUMBER AND PERCENT OF LIVE BIRTHS WITH LATE OR NO PRENATAL CARE, CALIFORNIA COUNTIES, 1992 - 2002 (By Place of Residence)

COUNTY	LATE OR NO PRENATAL CARE										PERCENT OF ALL LIVE BIRTHS										
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
CALIFORNIA	31,755	29,185	27,458	25,099	20,328	19,244	18,650	16,319	16,051	15,256	13,606	5.3	5.0	4.9	4.6	3.8	3.7	3.6	3.2	3.1	2.9
ALAMEDA	582	491	588	479	378	437	484	422	431	379	372	2.6	2.3	2.8	2.3	1.9	2.1	2.4	2.1	1.7	1.7
ALPINE	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMADOR	6	5	6	7	4	5	4	5	4	5	6	2.0	1.8	2.2	2.4	2.4	1.9	2.1	1.9	2.3	2.3
BUTTE	126	151	143	136	118	131	121	96	73	86	96	4.8	5.8	5.8	5.4	4.8	5.8	5.4	4.3	3.7	4.2
CALAVERAS	19	13	21	17	6	11	8	9	3	14	9	4.9	3.7	5.6	4.5	4.5	3.4	2.8	2.8	4.3	2.7
COLUSA	39	44	37	25	15	23	27	25	25	25	20	13.0	13.8	11.1	7.9	8.3	4.9	7.3	8.1	7.6	6.6
CONTRA COSTA	459	437	452	482	409	345	358	301	315	306	323	3.6	3.5	3.6	3.5	3.5	2.9	2.4	2.4	2.3	2.4
DEL NORTE	25	29	28	21	11	11	10	11	8	11	10	7.1	8.3	8.2	8.0	8.3	3.3	3.4	2.5	4.0	3.5
EL DORADO	48	79	42	53	34	53	34	32	37	27	27	4.4	3.0	2.7	3.2	2.0	3.3	2.0	3.0	1.5	2.2
FRESNO	552	582	663	483	480	519	439	426	427	436	390	3.4	3.6	4.3	3.2	3.3	3.7	3.1	3.0	3.1	2.7
GLENN	36	18	26	32	23	14	18	21	17	19	23	7.5	4.3	5.7	7.2	5.3	3.3	3.3	4.4	4.7	5.7
HUMBOLDT	75	101	114	78	71	65	41	59	61	64	47	6.0	6.4	7.4	5.2	4.9	4.5	4.5	4.2	4.2	4.2
IMPERIAL	365	295	209	188	155	150	184	199	199	120	116	10.9	7.9	8.4	6.3	6.2	7.3	7.7	7.7	7.7	7.6
INYO	12	17	23	20	11	12	9	13	9	13	7	5.1	8.3	10.8	9.5	9.1	5.8	6.0	5.4	7.2	4.0
KERN	882	792	1,077	837	592	486	381	253	278	303	283	6.8	6.4	8.7	7.2	5.4	3.5	2.4	2.6	2.9	2.6
KINGS	223	159	116	89	59	110	76	96	169	181	9.8	7.5	7.2	5.5	4.0	2.8	5.1	3.5	4.4	7.8	
LAKE	44	48	50	74	49	40	42	43	32	48	48	6.0	7.6	7.7	11.1	8.6	7.2	7.5	5.6	7.9	7.6
LASSEN	16	15	14	23	11	11	14	9	4	6	5.0	4.8	4.6	4.6	4.6	3.4	3.4	3.2	3.2	2.5	
LOS ANGELES	8,560	7,120	6,213	5,005	4,790	4,487	3,855	3,599	3,246	2,714	2,714	4.9	4.5	4.5	3.6	3.6	3.0	3.0	2.9	2.2	1.8
MADERA	114	113	128	82	85	101	86	111	116	85	5.7	6.6	6.5	4.1	4.3	4.9	4.4	4.4	5.3	4.0	
MARIN	52	43	72	72	74	56	52	39	59	47	32	1.8	1.5	2.7	2.8	2.8	2.1	2.0	1.5	1.6	1.2
MARIPOSA	5	12	16	8	5	6	8	6	11	14	4	3.2	6.8	8.8	5.4	3.3	4.5	6.1	4.9	9.0	
MENDOCINO	116	140	165	74	76	94	103	111	103	103	10.3	13.0	15.2	14.8	14.8	7.4	7.6	8.8	10.2	9.8	
MERCEDES	322	323	294	247	220	258	294	325	354	395	317	7.6	7.5	7.2	6.2	6.0	7.3	8.4	9.0	9.3	10.3
MODOC	4	7	9	5	4	5	3	4	3	1	a	5.5	5.8	7.4	4.4	4.4	6.2	a	a	a	a
MONO	14	11	10	10	3	8	7	6	2	5	5	9.7	8.1	7.9	7.1	7.1	5.3	4.2	4.0	4.7	3.7
MONTEREY	805	704	496	476	350	281	269	311	307	259	195	10.0	9.6	9.6	7.1	7.1	5.3	4.2	4.0	4.5	3.6
NAPA	57	70	61	63	64	39	69	64	67	67	77	3.8	4.5	4.1	4.4	4.3	2.7	5.1	4.7	5.0	4.3
NEVADA	23	25	30	23	28	21	28	21	28	34	32	2.9	2.9	2.9	2.8	2.8	3.5	2.6	2.4	2.5	3.9
ORANGE	2,869	2,137	1,944	1,672	1,522	1,427	1,198	1,129	913	811	761	5.6	4.2	3.9	3.4	3.2	3.0	2.6	2.4	2.0	1.7
PLACER	65	86	77	80	83	55	53	59	63	64	60	2.5	3.3	2.9	3.1	3.0	2.1	2.0	2.1	2.1	1.7
PLUMAS	6	2	5	9	8	3	3	3	7	6	6	3.4	3.4	3.4	2.8	2.8	5.4	5.4	4.1	3.3	
RIVERSIDE	1,787	1,701	1,682	1,617	1,340	1,284	1,029	1,002	1,016	1,006	946	7.1	6.8	6.7	5.6	5.7	4.3	4.1	4.0	3.6	3.1
SACRAMENTO	1,132	1,192	1,031	1,301	925	841	839	773	667	704	585	5.8	6.2	5.6	5.2	4.9	4.8	4.1	3.7	3.8	3.8
SAN BENITO	52	28	12	18	21	16	25	11	25	37	34	7.0	3.5	3.5	2.3	2.7	2.8	1.1	2.9	3.8	
SAN BERNARDINO	2,162	2,013	1,519	1,392	1,241	1,253	1,141	1,077	977	977	977	5.6	6.7	7.0	6.8	5.2	5.0	5.1	4.5	4.1	3.4
SAN DIEGO	3,534	3,281	3,012	2,447	2,440	2,241	1,905	1,748	1,443	1,443	1,166	7.8	7.4	7.0	6.6	5.5	5.7	5.2	4.5	4.0	3.7
SAN FRANCISCO	465	395	311	213	244	248	246	234	228	209	209	4.8	4.0	4.4	3.6	3.6	3.0	3.0	2.7	2.8	2.5
SAN JOAQUIN	668	612	658	513	472	491	549	540	701	586	618	7.2	6.6	7.2	5.8	5.8	5.6	6.2	7.5	6.1	6.2
SAN LUIS OBISPO	111	116	133	103	82	84	55	87	71	114	42	3.3	4.2	3.3	4.2	3.3	3.6	3.3	3.6	4.9	
SAN MATEO	306	283	307	317	286	323	284	293	281	291	252	2.9	2.8	3.0	3.2	2.9	3.2	2.6	2.7	2.8	2.5
SANTA BARBARA	422	341	275	270	206	202	215	242	240	205	205	6.4	5.2	4.3	4.7	4.1	3.6	3.5	3.9	4.3	3.6
SANTA CLARA	1,031	1,040	1,135	958	811	681	662	758	696	565	565	3.8	4.3	4.3	3.8	3.8	2.6	2.6	2.5	2.1	2.2
SANTA CRUZ	220	178	137	136	124	83	105	75	67	50	56	4.7	3.8	4.0	3.7	3.7	2.4	3.1	2.4	1.9	1.5
SHASTA	55	58	84	78	51	54	51	32	42	33	2.4	2.7	4.0	3.9	2.4	2.5	2.8	2.8	2.8	2.2	1.7
SIERRA	1	-	1	1	-	-	-	2	-	-	a	-	-	a	-	-	-	-	-	-	-
SISKIYOU	16	26	38	31	34	30	21	22	12	14	26	4.1	5.1	8.3	7.5	5.8	3.8	3.5	4.0	5.5	3.7
SOLANO	308	351	366	407	325	322	278	309	269	269	309	4.8	5.8	6.3	8.7	7.2	6.7	5.8	5.4	4.7	4.7
SONOMA	166	170	156	135	106	107	151	120	146	128	2.9	3.1	2.9	2.6	2.0	2.1	2.9	2.2	2.2	2.3	
STANISLAUS	272	303	282	297	220	234	238	224	211	280	245	3.6	4.1	3.8	4.1	3.1	3.5	3.2	3.0	3.8	
SUTTER	134	101	106	85	69	83	70	66	49	56	10.5	8.7	8.6	7.3	6.1	6.9	6.1	6.2	5.7	4.4	
TEHAMA	35	38	47	39	34	30	21	22	12	14	26	4.9	4.8	6.1	5.4	5.1	4.8	3.2	3.5	2.2	
TRINITY	9	7	3	4	2	3	10	4	4	5	3	3.8	5.8	5.1	4.8	5.1	4.8	a	a	4.5	
TULARE	645	498	426	402	395	364	398	245	263	230	271	8.7	6.9	5.8	5.6	5.5	6.0	3.8	3.2	3.7	
TUOLUMNE	6	13	10	13	10	7	7	7	7	7	7	2.0	2.2	1.8	2.0	1.6	2.0	a	1.6	1.6	
VENTURA	456	302	289	304	202	210	179	217	206	221	3.7	2.5	2.5	2.5	1.7	1.8	1.8	1.6	1.8	1.9	
YOLO	149	150	136	135	102	88	93	71	81	83	78	6.6	6.8	9.1	6.3	6.1	7.0	6.0	5.9	5.8	
YUBA	141	136	135	102	88	88	93	71	81	83	78	8.6	8.6	8.1	8.9	8.1	7.5	7.5	7.5	6.9	

- Represents zero events.

a Percent are not calculated for fewer than five events.

Notes: Late prenatal care is care beginning in the third trimester.

Births with unknown prenatal care were subtracted from total births prior to calculation of percentages.

TABLE 2-20. NUMBER AND PERCENT OF LOW BIRTHWEIGHT BIRTHS, CALIFORNIA COUNTIES, 1992-2002 (By Place of Residence)

COUNTY	LOW BIRTHWEIGHT										PERCENT OF ALL LIVE BIRTHS											
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
CALIFORNIA	35,608	35,116	34,876	33,588	32,649	32,232	32,438	31,686	32,853	33,196	33,889	5.9	6.0	6.2	6.1	6.1	6.2	6.1	6.2	6.3	6.4	
ALAMEDA	1,632	1,492	1,594	1,454	1,440	1,436	1,502	1,342	1,485	1,567	1,448	7.2	6.8	7.5	6.9	7.0	6.9	7.2	6.5	6.7	7.1	
AMER	1	-	8	13	13	11	16	17	14	8	14	-	-	4.7	5.3	3.8	5.9	4.6	4.7	5.3	-	
AMADOR	11	-	13	131	122	103	107	123	109	121	143	4.8	5.5	6.2	5.2	4.9	5.3	4.6	5.5	5.0	5.2	
BUTTE	126	143	155	125	28	17	15	12	19	17	19	5.9	3.4	5.3	4.6	4.7	5.5	5.8	5.5	5.2	5.6	
CALAVERAS	23	12	17	27	10	14	20	22	16	13	7	2.5	4.9	5.1	8.5	3.3	4.6	6.4	6.6	6.7	6.6	
COLUSA	8	16	17	27	76	744	776	794	800	852	870	830	6.1	6.1	6.5	6.0	6.3	6.3	6.4	6.5	6.6	6.2
CONTRA COSTA	777	769	802	144	132	109	115	175	121	125	133	142	5.1	5.1	5.3	5.0	4.4	4.8	4.0	5.2	3.9	5.8
DEL NORTE	7	17	24	14	15	24	11	11	12	16	15	14	2.0	4.8	7.0	4.5	7.4	4.7	4.0	5.1	5.5	4.9
ELDORADO	104	104	98	96	107	110	86	81	93	84	122	5.9	5.8	5.5	5.6	6.4	6.6	5.1	4.9	5.7	6.9	
FRESNO	1,147	1,033	1,059	1,009	947	935	922	903	941	948	956	7.1	6.4	6.8	6.7	6.5	6.6	6.4	6.6	6.6	6.5	
GLENN	32	12	20	18	16	20	15	18	24	24	20	6.6	2.9	4.3	4.1	3.6	4.7	3.9	4.7	6.2	5.9	
HUMBOLDT	63	87	77	75	59	76	56	74	82	82	82	3.9	5.4	4.9	4.9	4.0	4.0	4.0	5.2	5.0	5.8	
IMPERIAL	152	146	144	132	109	115	175	121	125	133	142	5.1	5.1	5.3	5.0	4.4	4.8	4.8	5.1	5.1	5.3	
INYO	18	15	10	16	17	11	12	8	10	9	7	7.6	7.3	4.7	6.6	7.7	5.8	6.0	4.2	6.0		
KERN	847	869	826	787	760	671	689	772	741	795	755	6.9	6.5	6.6	6.6	6.6	6.6	6.2	6.1	6.6	6.5	
KINGS	142	139	136	120	141	122	118	139	126	128	139	6.2	6.0	6.1	5.6	6.3	5.5	5.5	5.5	5.8	6.0	
LAKE	41	35	32	44	28	32	34	30	29	37	42	5.6	4.9	5.5	4.9	5.5	5.7	6.0	5.2	5.0	6.6	
LASSEN	8	11	21	20	7	16	14	9	16	15	25	3.5	6.9	6.7	6.7	4.8	4.8	3.2	6.1	7.0	5.0	
LOS ANGELES	12,127	11,898	11,474	11,270	10,761	10,487	10,408	10,292	10,080	10,213	10,222	6.1	6.2	6.4	6.4	6.5	6.6	6.4	6.7	6.8	6.8	
MADERA	120	93	115	109	93	119	99	118	129	138	138	6.0	4.8	5.4	5.4	4.7	5.7	5.1	5.6	5.9	6.4	
MARIN	134	154	156	133	149	142	135	134	172	164	171	4.6	5.5	5.1	5.6	5.4	5.3	5.1	5.7	6.1	6.2	
MENDOCINO	9	14	5	12	5	10	12	5	10	15	14	4.5	5.8	7.9	7.7	3.2	7.4	8.9	7.9	9.2	a	
MERCE	61	70	64	51	57	55	58	34	35	50	63	5.4	5.6	5.5	5.6	4.0	5.4	3.4	3.2	4.7	5.8	
MODOC	249	244	222	245	235	216	211	222	241	224	264	5.9	5.6	5.1	6.1	6.0	6.1	6.2	6.2	6.2	6.6	
MONO	10	11	9	11	5	10	6	8	2	15	11	9.0	8.0	7.1	8.1	4.2	8.5	4.4	6.7	8.9	8.0	
MONTEREY	435	374	411	359	319	371	359	397	389	400	422	5.3	5.0	5.8	5.3	4.8	5.5	5.3	5.6	5.6	5.9	
NAPA	61	70	64	62	59	67	74	77	80	75	101	4.0	4.5	4.3	4.2	3.9	4.5	5.0	5.2	5.3	6.4	
NEVADA	31	43	36	41	48	41	43	43	36	45	44	3.4	4.9	4.3	4.9	4.3	5.7	5.6	5.7	5.4	5.3	
ORANGE	2,714	2,662	2,625	2,613	2,488	2,521	2,538	2,578	2,561	2,672	2,720	5.2	5.2	5.2	5.4	5.2	5.3	5.5	5.5	5.5	6.1	
PLACER	119	122	149	143	127	131	133	131	190	175	184	4.5	4.6	5.6	5.0	4.6	5.0	5.0	4.4	6.2	5.3	
PLUMAS	13	7	11	10	10	3	3	6	7	10	7	3.3	3.3	6.3	6.3	5.8	6.1	6.6	6.2	5.7		
RIVERSIDE	1,517	1,586	1,559	1,394	1,440	1,440	1,437	1,355	1,564	1,458	1,601	6.0	6.0	6.3	6.3	5.8	6.1	6.6	6.3	6.6		
SACRAMENTO	1,242	1,226	1,252	1,230	1,089	1,190	1,200	1,165	1,165	1,282	1,216	6.3	6.3	6.8	6.6	6.1	6.9	6.8	6.6	6.8		
SAN BENITO	64	36	39	39	36	44	44	47	51	47	40	4.5	4.5	5.3	4.9	4.9	4.1	4.9	4.8	4.8		
SAN BERNARDINO	2,138	2,129	2,074	2,018	1,941	1,895	1,778	1,778	1,881	1,958	2,070	6.5	6.6	6.6	6.7	6.7	6.3	6.3	6.6	6.7		
SAN DIEGO	2,845	2,956	2,821	2,553	2,614	2,518	2,603	2,563	2,668	2,644	2,682	5.6	6.0	5.6	5.6	5.8	6.0	5.9	6.0	6.1		
SAN FRANCISCO	615	625	605	610	559	541	583	551	558	551	555	6.4	6.9	6.7	6.7	6.6	6.7	6.6	6.4	6.6		
SAN JOAQUIN	634	633	631	121	136	134	109	116	130	126	139	4.1	5.5	4.9	4.6	5.5	5.4	5.4	5.6	5.7		
SAN LUIS OBISPO	107	147	131	121	136	134	109	116	130	126	139	4.1	5.5	4.9	4.6	5.5	5.4	5.4	5.6	5.7		
SAN MATEO	608	543	564	586	577	592	685	586	640	648	648	5.3	5.3	5.4	5.7	5.7	5.9	6.8	6.1	6.4		
SANTA BARBARA	329	343	344	332	363	336	1,551	302	315	342	361	5.0	5.2	5.4	5.7	6.1	6.1	5.8	6.0	6.1		
SANTA CLARA	1,500	1,430	1,514	1,599	1,599	1,612	1,620	1,696	1,696	1,614	1,704	5.5	5.3	5.7	6.1	6.0	5.9	6.0	6.2	6.3		
SANTA CRUZ	176	179	205	164	180	188	182	184	192	194	192	4.6	5.6	5.6	4.7	4.4	5.1	5.5	5.3	5.2	5.8	
SHASTA	111	100	119	102	96	106	95	114	106	109	4.9	4.7	5.6	5.6	5.6	5.0	4.8	5.5	5.1	5.6		
SIERRA	18	-	3	37	30	24	-	1	25	29	31	-	-	-	-	-	-	-	-	a		
SISKIYOU	25	34	34	34	361	349	351	327	349	386	413	4.6	4.9	3.0	4.6	4.9	5.6	5.0	5.4	7.0	9.4	
SOLANO	401	420	385	276	302	299	267	311	377	393	320	313	259	4.8	4.9	4.6	5.5	6.1	6.6	6.7		
SONOMA	419	477	487	427	439	450	454	417	404	505	506	505	5.5	6.4	6.6	5.9	6.1	6.6	6.6	6.4		
STANISLAUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	a		
SUTTER	67	81	70	52	75	73	79	68	67	76	77	5.2	7.0	5.7	6.6	6.8	6.0	6.8	6.7	6.1		
TEHAMA	28	43	34	49	34	28	27	30	43	25	41	3.9	5.4	4.4	4.4	4.4	4.7	4.1	4.7	5.8		
TRINITY	7	6	9	10	7	5	4	4	5	5	6	4.5	4.5	4.4	4.4	4.4	4.8	4.8	5.9	6.3		
TULARE	405	415	449	397	409	360	393	377	404	407	407	5.4	5.7	6.1	5.6	5.7	5.7	5.6	6.0	5.5		
TUOLUMNE	39	38	40	23	25	27	25	26	25	23	19	7.1	8.1	8.6	4.7	5.4	5.8	5.9	5.2	4.3		
VENTURA	690	679	647	644	609	659	622	653	694	676	692	5.5	5.6	5.7	5.3	5.2	5.8	5.4	5.7	6.0		
YODO	112	130	145	119	119	125	126	101	120	118	118	4.7	5.7	5.6	5.1	5.5	5.9	5.9	5.7	6.0		
YUBA	70	87	82	82	71	74	75	73	71	71	71	5.2	6.8	6.7	6.0	5.9	5.7	7.0	7.6	8.1		

- Represents zero events.

a Percent are not calculated for fewer than five events.

Note: Low birthweight is less than 2,500 grams (5.5 pounds).

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-21. NUMBER AND PERCENT OF LIVE BIRTHS TO TEEN MOTHERS, CALIFORNIA COUNTIES, 1992-2002 (By Place of Residence)

COUNTY	LIVE BIRTHS TO TEEN MOTHERS										PERCENT OF ALL LIVE BIRTHS										
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
CALIFORNIA	69,272	68,519	68,198	66,644	63,118	59,851	58,141	56,577	55,373	52,866	50,201	11.5	11.7	12.0	12.1	11.4	11.2	10.9	10.4	10.0	9.5
ALAMEDA	2,211	2,053	1,911	1,830	1,777	1,755	1,597	1,694	1,574	1,389	9.7	9.4	8.9	8.6	8.4	7.8	7.6	7.1	6.3	6.3	
ALPINE	3	31	1	4	1	1	2	1	2	2	-	a	a	a	a	a	a	a	a	a	a
AMADOR	31	33	31	35	37	36	26	29	30	29	10.1	11.3	11.2	14.2	12.8	13.3	9.9	11.0	9.8	11.4	
BUTTE	383	385	330	391	342	326	296	239	286	283	14.7	14.8	12.9	13.3	13.3	15.0	15.2	14.4	13.1	10.9	
CALAVERAS	40	46	43	52	48	38	25	48	36	37	10.3	12.9	11.3	13.6	15.0	11.6	8.7	14.8	11.7	11.5	
COLUSA	47	46	52	51	41	40	35	56	58	48	35	14.8	14.2	15.6	16.1	13.6	13.0	11.1	16.7	13.4	
CONTRA COSTA	1,021	1,080	1,070	1,072	1,093	1,055	1,004	978	941	883	874	8.0	8.5	8.6	8.9	8.6	8.0	8.0	7.8	7.1	6.7
DEL NORTE	65	53	62	63	54	62	65	63	59	58	53	18.2	15.1	18.1	15.1	18.1	20.3	16.2	21.1	18.7	18.4
EL DORADO	135	167	167	176	150	155	149	153	129	148	144	7.6	9.3	10.2	9.0	9.3	9.3	7.9	8.7	8.2	
FRESNO	2,596	2,678	2,654	2,633	2,517	2,535	2,459	2,409	2,360	2,245	2,150	16.1	16.6	17.1	17.5	17.2	18.0	17.1	17.2	16.5	15.7
GLENN	64	58	64	65	61	65	63	54	52	49	45	13.3	13.8	13.9	14.7	13.9	15.2	16.6	14.0	13.5	12.1
HUMBOLDT	222	205	217	197	185	179	143	157	143	157	141	389	15.8	17.1	15.8	14.7	16.0	16.0	15.5	12.4	11.5
IMPERIAL	468	486	430	388	400	381	399	383	432	411	389	17.1	17.1	17.8	17.4	17.4	17.4	15.4	15.8	15.8	14.6
INYO	33	27	38	32	37	33	31	30	28	23	17	13.9	13.1	17.8	17.4	17.4	17.0	17.0	16.9	16.8	15.8
KERN	2,092	2,050	2,189	2,146	1,952	1,928	1,953	1,923	1,954	1,820	1,843	16.1	16.4	17.4	18.0	16.9	17.1	17.0	16.9	16.2	15.7
KINGS	385	385	392	387	381	369	373	379	362	328	351	16.8	16.7	17.5	18.1	16.9	17.7	17.2	17.6	16.7	15.4
LAKE	115	97	122	107	117	99	110	84	94	99	80	15.6	15.3	18.6	15.9	20.1	17.5	19.4	14.5	16.1	12.6
LASSEN	49	57	55	62	48	39	52	31	35	35	33	15.2	18.1	18.0	20.8	16.2	11.9	13.7	11.8	14.4	
LOS ANGELES	23,416	22,628	22,091	21,612	19,958	18,530	17,923	17,143	16,608	15,500	14,510	16.9	11.9	12.2	11.4	11.3	11.0	10.6	10.1	9.6	
MADERA	337	390	390	399	371	381	359	331	341	378	330	9	14	17	13	10	9.7	6.3	7.5	16.9	17.3
MARIN	122	121	119	93	111	79	91	81	77	66	42	4.3	4.3	4.3	4.5	4.2	3.1	3.4	2.9	2.7	
MARIPOSA	19	17	22	21	19	18	21	23	13	10	12.2	9.6	12.0	13.9	7.1	14.1	13.3	16.7	18.3	8.5	
MENDOCINO	150	170	197	202	167	139	156	147	148	144	132	13.2	15.4	17.2	17.9	16.4	13.4	14.5	13.6	12.2	
MERCED	712	708	751	768	674	620	558	648	616	587	583	16.7	16.2	18.1	19.1	18.1	17.2	15.8	17.7	15.9	14.5
MODOC	14	22	21	14	25	23	11	14	14	14	9	16.9	17.2	20.1	20.0	18.5	21.9	23.5	13.6	13.4	
MONO	14	5	8	9	14	9	6	17	13	10	9.7	3.6	6.3	6.6	7.5	11.9	5.0	13.3	7.7	7.2	
MONTEREY	983	972	936	900	925	872	858	858	852	863	12.7	13.1	13.8	13.7	13.6	13.8	12.8	12.8	12.4	12.1	
NAPA	120	130	142	163	158	126	138	130	127	111	122	7.9	8.3	9.4	11.1	10.5	8.4	9.3	8.7	7.8	
NEVADA	86	75	86	86	86	85	65	66	57	57	56	8.6	8.6	10.2	10.3	10.8	11.2	11.2	8.7	9.3	
ORANGE	4,715	4,539	4,268	4,247	3,944	3,698	3,676	3,605	3,363	3,147	9.1	9.1	8.9	9.1	8.8	8.8	8.3	8.0	7.9	7.4	
PLACER	214	244	244	262	229	214	194	196	173	189	200	8.1	9.3	9.1	9.1	8.3	8.2	7.3	6.6	5.7	
PLUMAS	29	31	31	24	24	22	20	15	16	21	16.2	14.6	16.2	14.6	16.2	17.4	15.9	15.9	15.3	15.5	
RIVERSIDE	3,240	3,424	3,409	3,284	3,222	3,158	3,206	3,221	3,193	3,082	12.8	13.5	13.8	14.1	14.0	13.8	13.4	13.0	12.6	11.5	
SACRAMENTO	2,490	2,519	2,432	2,362	2,131	2,099	2,110	2,004	1,930	1,837	1,800	12.7	13.0	13.1	12.6	11.9	12.1	11.3	10.6	9.4	
SAN BENITO	111	96	113	124	109	119	110	82	99	92	14.7	11.9	13.2	14.2	15.5	12.3	13.4	9.4	10.1	10.0	
SAN BERNARDINO	4,546	4,534	4,485	4,316	4,118	4,128	4,073	4,118	3,872	3,855	3,652	13.6	14.1	14.4	14.9	14.7	14.6	14.4	14.5	13.5	
SAN DIEGO	5,376	5,203	4,937	4,831	4,192	4,192	4,277	4,284	4,080	3,732	3,652	10.6	10.6	11.0	10.8	9.7	9.8	9.9	9.2	8.5	
SAN FRANCISCO	707	654	669	637	588	584	488	488	456	410	371	7.4	7.2	7.4	7.0	7.0	7.1	6.0	6.0	5.0	
SAN JOAQUIN	1,421	1,457	1,328	1,328	1,367	1,303	1,366	1,228	1,356	1,281	14.5	15.0	15.0	16.1	15.1	15.7	14.7	14.1	12.8	12.6	
SAN LUIS OBISPO	267	271	273	249	226	237	242	237	243	207	10.1	10.0	10.1	10.3	10.0	9.7	10.8	10.1	10.0	8.0	
SAN MATEO	688	751	726	719	702	677	688	609	599	548	529	6.5	7.3	7.0	7.2	7.0	6.7	6.8	6.0	5.7	
SANTA BARBARA	794	850	797	705	724	675	678	603	641	630	590	12.0	12.9	12.5	12.1	12.4	11.8	11.0	11.3	11.2	
SANTA CLARA	2,365	2,204	2,137	2,143	2,018	1,871	1,871	2,018	1,807	1,754	1,476	8.6	8.5	8.0	8.1	7.6	7.1	6.5	6.5	5.5	
SANTA CRUZ	382	418	410	367	342	351	316	330	305	306	9.5	10.8	11.2	11.8	10.7	9.6	10.3	9.2	9.4	8.2	
SHASTA	334	324	311	300	322	309	286	224	282	281	14.8	15.2	14.7	14.7	15.7	16.5	15.9	15.5	12.3	14.3	
SIERRA	5	5	2	3	1	2	3	4	4	1	4	21.6	24.9	21.7	21.6	21.7	21.3	18.8	14.8	12.6	
SISKIYOU	57	76	80	73	80	68	70	651	639	601	551	510	11.7	11.9	12.0	12.1	11.9	11.1	11.5	13.9	
SOLANO	764	740	548	534	504	525	497	505	452	423	449	8.0	8.8	10.0	9.8	9.2	9.7	9.3	8.0	7.9	
SONOMA	466	494	1,067	1,117	1,070	1,084	1,037	928	995	984	934	14.3	15.1	14.7	15.1	14.4	13.0	13.7	13.0	12.0	
STANISLAUS	1,016	1,284	1,320	1,441	1,380	1,387	1,283	1,223	1,250	1,219	1,185	11.0	11.3	11.6	14.0	14.1	13.1	12.3	12.6	12.0	
SUTTER	174	159	172	177	141	145	157	120	139	151	165	13.6	13.7	13.9	15.3	12.3	12.0	13.6	10.6	12.4	
TEHAMA	101	118	145	132	115	108	109	126	132	123	123	14.0	14.5	15.0	18.8	17.1	17.2	16.7	13.1	17.3	
TRINITY	25	21	23	16	18	20	21	17	11	24	9	15.9	15.3	14.0	12.4	12.1	12.0	20.5	17.4	8.5	
TULARE	1,284	1,320	1,441	1,380	1,380	1,387	1,283	1,223	1,250	1,219	1,185	17.3	18.1	19.6	19.3	18.5	18.7	18.1	17.2	16.7	
TUOLUMNE	60	56	53	80	65	66	56	54	42	43	11.0	11.9	11.3	16.3	14.0	14.1	13.1	12.3	9.8	9.7	
VENTURA	1,290	1,243	1,218	1,247	1,159	1,103	1,041	1,1													

TABLE 2-22. PERCENT OF LIVE BIRTHS WITH SELECTED MEDICAL CHARACTERISTICS, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2002 (By Place of Residence)

COUNTY	PERCENT OF BIRTHS BY MEDICAL CHARACTERISTICS			
	Late or No Prenatal Care ^{†1}	Preterm Birth ^{†2}	Cesarean Birth	Low Birthweight ³
CALIFORNIA	2.6	10.5	26.8	6.4
ALAMEDA	1.7	10.1	25.0	6.6
Berkeley ⁴	0.9	8.3	23.8	5.1
ALPINE	-	-	a	-
AMADOR	2.3	9.3	32.3	6.5
BUTTE	4.2	10.3	23.3	6.3
CALAVERAS	2.7	12.1	27.2	5.6
COLUSA	6.6	6.7	21.5	2.3
CONTRA COSTA	2.4	10.0	24.6	6.2
DEL NORTE	3.5	11.1	22.2	4.9
EL DORADO	1.5	10.3	26.6	6.9
FRESNO	2.7	12.1	27.1	6.5
GLENN	5.7	10.0	21.6	4.9
HUMBOLDT	4.5	8.1	24.2	5.8
IMPERIAL	7.6	11.3	36.4	5.3
INYO	4.0	7.4	27.7	4.0
KERN	2.6	11.5	24.2	6.5
KINGS	7.8	13.2	30.7	6.0
LAKE	7.6	8.6	20.9	6.6
LASSEN	2.7	7.4	27.6	5.0
LOS ANGELES	1.8	10.8	29.1	6.8
Long Beach ⁴	2.2	11.4	27.2	7.3
Pasadena ⁴	1.1	12.3	29.7	8.1
MADERA	4.0	11.7	23.8	6.4
MARIN	1.2	9.5	26.2	6.2
MARIPOSA	a	11.3	20.8	a
MENDOCINO	6.2	10.4	23.1	5.8
MERCED	8.3	12.1	28.1	6.6
MODOC	a	15.6	22.4	9.0
MONO	3.7	10.3	29.7	8.0
MONTEREY	2.8	10.1	24.9	5.9
NAPA	5.0	9.5	23.8	6.4
NEVADA	3.9	7.6	21.0	5.3
ORANGE	1.7	9.9	27.9	6.1
PLACER	1.7	8.9	26.2	5.3
PLUMAS	3.3	5.2	21.9	5.5
RIVERSIDE	3.6	11.6	25.9	6.0
SACRAMENTO	3.1	9.3	23.3	6.3
SAN BENITO	3.8	8.7	29.8	4.3
SAN BERNARDINO	3.4	10.8	26.8	7.0
SAN DIEGO	2.7	10.6	26.4	6.1
SAN FRANCISCO	2.5	10.2	23.8	6.6
SAN JOAQUIN	6.2	10.8	23.5	6.7
SAN LUIS OBISPO	4.9	8.8	25.3	5.9
SAN MATEO	2.5	9.9	23.9	6.4
SANTA BARBARA	3.6	11.7	28.0	6.3
SANTA CLARA	2.2	9.0	24.1	6.3
SANTA CRUZ	1.5	9.8	23.0	5.8
SHASTA	1.7	8.7	25.8	5.6
SIERRA	-	a	40.0	a
SISKIYOU	3.7	10.0	26.3	7.5
SOLANO	4.7	10.8	22.7	7.1
SONOMA	2.3	5.9	24.5	4.6
STANISLAUS	3.1	11.5	26.5	6.4
SUTTER	4.4	11.5	27.8	6.1
TEHAMA	3.7	9.9	25.2	5.8
TRINITY	a	10.1	24.5	5.7
TULARE	3.7	10.2	28.8	5.5
TUOLUMNE	1.6	8.9	31.4	4.3
VENTURA	1.9	10.5	28.0	6.0
YOLO	4.7	8.7	22.7	6.6
YUBA	6.9	13.3	25.5	8.1

† Percents are calculated using total births excluding unknown, not reported, and out-of-range data.

¹ Third trimester or no prenatal care.

² Birth prior to 37 completed weeks of gestation.

³ Birthweight of less than 2500 grams (5.5 pounds).

⁴ City Health Department.

- Represents zero events

a Percents not calculated for fewer than 5 events.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-23. LIVE BIRTHS BY TRIMESTER PRENATAL CARE BEGAN, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2002 (By Place of Residence)

COUNTY	TOTAL	TRIMESTER PRENATAL CARE BEGAN			NO PRENATAL CARE	UNKNOWN
		FIRST TRIMESTER	SECOND TRIMESTER	THIRD TRIMESTER		
CALIFORNIA	529,245	448,955	56,746	10,974	2,632	9,938
ALAMEDA	21,802	19,372	1,649	305	67	409
Berkeley ¹	900	840	50	6	2	2
ALPINE	11	7	4	-	-	-
AMADOR	260	228	24	4	2	2
BUTTE	2,268	1,680	486	81	15	6
CALAVERAS	338	279	50	8	1	-
COLUSA	307	212	73	19	1	2
CONTRA COSTA	13,315	11,877	1,075	259	64	40
DEL NORTE	288	233	42	5	5	3
EL DORADO	1,765	1,556	169	16	11	13
FRESNO	14,766	12,678	1,637	289	101	61
GLENN	408	272	108	20	3	5
HUMBOLDT	1,420	1,138	205	54	10	13
IMPERIAL	2,662	2,008	404	128	71	51
INYO	173	110	56	6	1	-
KERN	12,211	8,930	1,474	243	40	1,524
KINGS	2,311	1,665	464	163	18	1
LAKE	636	459	123	39	9	6
LASSEN	301	248	44	7	1	1
LOS ANGELES	151,167	132,493	12,517	2,189	525	3,443
Long Beach ¹	7,913	6,969	676	141	33	94
Pasadena ¹	2,173	1,885	134	22	1	131
MADERA	2,147	1,688	338	65	20	36
MARIN	2,772	2,567	169	27	5	4
MARIPOSA	130	98	23	3	1	5
MENDOCINO	1,078	684	315	61	5	13
MERCED	4,030	2,418	1,073	297	20	222
MODOC	67	53	8	-	1	5
MONO	138	98	33	5	-	2
MONTEREY	7,119	5,901	767	155	40	256
NAPA	1,571	1,192	279	66	11	23
NEVADA	823	684	107	29	3	-
ORANGE	44,796	40,684	3,231	546	215	120
PLACER	3,484	3,144	275	52	8	5
PLUMAS	183	156	21	6	-	-
RIVERSIDE	26,691	21,836	3,576	768	178	333
SACRAMENTO	19,243	15,643	2,875	463	122	140
SAN BENITO	920	726	145	29	5	15
SAN BERNARDINO	29,696	24,067	3,897	754	223	755
SAN DIEGO	43,951	37,495	4,557	900	266	733
SAN FRANCISCO	8,361	7,279	819	170	39	54
SAN JOAQUIN	10,162	7,344	1,969	510	108	231
SAN LUIS OBISPO	2,368	1,889	334	102	12	31
SAN MATEO	10,091	8,749	1,064	224	28	26
SANTA BARBARA	5,698	4,551	903	185	20	39
SANTA CLARA	27,060	22,686	2,864	496	69	945
SANTA CRUZ	3,334	3,062	204	39	11	18
SHASTA	1,963	1,728	199	21	12	3
SIERRA	30	27	3	-	-	-
SISKIYOU	411	326	66	11	4	4
SOLANO	5,851	4,295	1,177	222	47	110
SONOMA	5,679	4,967	564	107	21	20
STANISLAUS	7,929	6,512	1,040	190	55	132
SUTTER	1,263	862	345	48	8	-
TEHAMA	711	555	129	24	2	1
TRINITY	106	89	14	1	2	-
TULARE	7,419	5,982	1,120	230	41	46
TUOLUMNE	442	395	39	4	3	1
VENTURA	11,606	10,514	855	176	45	16
YOLO	2,384	1,801	459	95	17	12
YUBA	1,129	763	286	58	20	2

- Represents zero events.

¹ City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-24. LIVE BIRTHS BY WEEKS OF GESTATION, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2002 (By Place of Residence)

COUNTY	TOTAL	WEEKS OF GESTATION			
		UNDER 37 WEEKS	37 WEEKS- UNDER 42 WEEKS	42 WEEKS AND OVER	NOT STATED
CALIFORNIA	529,245	52,067	405,427	39,781	31,970
ALAMEDA	21,802	2,110	17,190	1,673	829
Berkeley ¹	900	72	731	65	32
ALPINE	11	-	9	2	-
AMADOR	260	23	203	20	14
BUTTE	2,268	224	1,766	177	101
CALAVERAS	338	39	261	23	15
COLUSA	307	20	249	30	8
CONTRA COSTA	13,315	1,286	10,515	1,070	444
DEL NORTE	288	29	197	35	27
EL DORADO	1,765	172	1,328	171	94
FRESNO	14,766	1,545	9,857	1,337	2,027
GLENN	408	39	311	40	18
HUMBOLDT	1,420	106	1,048	153	113
IMPERIAL	2,662	290	2,026	244	102
INYO	173	12	141	10	10
KERN	12,211	1,179	8,003	1,097	1,932
KINGS	2,311	291	1,674	232	114
LAKE	636	52	477	73	34
LASSEN	301	20	236	15	30
LOS ANGELES	151,167	15,282	114,890	10,755	10,240
Long Beach ¹	7,913	867	6,101	619	326
Pasadena ¹	2,173	247	1,588	173	165
MADERA	2,147	235	1,554	224	134
MARIN	2,772	262	2,337	145	28
MARIPOSA	130	14	102	8	6
MENDOCINO	1,078	107	828	94	49
MERCED	4,030	458	2,972	357	243
MODOC	67	10	51	3	3
MONO	138	14	111	11	2
MONTEREY	7,119	675	5,399	607	438
NAPA	1,571	144	1,195	173	59
NEVADA	823	61	657	82	23
ORANGE	44,796	4,228	35,569	2,697	2,302
PLACER	3,484	299	2,784	274	127
PLUMAS	183	9	145	18	11
RIVERSIDE	26,691	2,873	19,931	2,051	1,836
SACRAMENTO	19,243	1,702	15,002	1,603	936
SAN BENITO	920	78	756	65	21
SAN BERNARDINO	29,696	2,988	22,442	2,329	1,937
SAN DIEGO	43,951	4,421	33,734	3,415	2,381
SAN FRANCISCO	8,361	823	6,788	464	286
SAN JOAQUIN	10,162	1,043	7,850	728	541
SAN LUIS OBISPO	2,368	201	1,901	170	96
SAN MATEO	10,091	988	8,450	534	119
SANTA BARBARA	5,698	628	4,228	495	347
SANTA CLARA	27,060	2,312	21,331	1,913	1,504
SANTA CRUZ	3,334	312	2,635	234	153
SHASTA	1,963	159	1,470	190	144
SIERRA	30	3	24	3	-
SISKIYOU	411	39	308	42	22
SOLANO	5,851	606	4,448	550	247
SONOMA	5,679	312	4,644	376	347
STANISLAUS	7,929	878	6,098	688	265
SUTTER	1,263	140	959	116	48
TEHAMA	711	67	518	91	35
TRINITY	106	10	72	17	7
TULARE	7,419	707	5,639	598	475
TUOLUMNE	442	39	363	37	3
VENTURA	11,606	1,159	9,022	905	520
YOLO	2,384	201	1,900	216	67
YUBA	1,129	143	829	101	56

- Represents zero events.

¹ City Health Department numbers are included in their respective county totals.

Note: "Not Stated" includes not only those weeks of gestation not stated, but also 306 live births of less than 17 weeks of gestation and 1,422 live births of 53 weeks or more gestation. These categories reflect inaccuracies rather than actual gestation periods.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-25. NUMBER AND PERCENT OF LIVE BIRTHS BY METHOD OF DELIVERY, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2002
(By Place of Occurrence)

COUNTY	TOTAL BIRTHS	METHOD OF DELIVERY				PERCENT OF TOTAL BIRTHS			
		VAGINAL		CESAREAN		VAGINAL		CESAREAN	
		TOTAL	AFTER PREVIOUS CESAREAN	TOTAL	REPEAT	TOTAL	AFTER PREVIOUS CESAREAN	TOTAL	REPEAT
CALIFORNIA	530,204	388,251	5,120	141,953	58,777	73.2	1.0	26.8	11.1
ALAMEDA	22,452	16,800	178	5,652	1,946	74.8	0.8	25.2	8.7
Berkeley ¹	7,391	5,417	64	1,974	623	73.3	0.9	26.7	8.4
ALPINE	1	1	-	-	-	a	-	-	-
AMADOR	130	82	-	48	25	63.1	-	36.9	19.2
BUTTE	2,743	2,116	35	627	270	77.1	1.3	22.9	9.8
CALAVERAS	185	137	1	48	25	74.1	a	25.9	13.5
COLUSA	157	127	10	30	10	80.9	6.4	19.1	6.4
CONTRA COSTA	11,709	8,840	143	2,869	1,068	75.5	1.2	24.5	9.1
DEL NORTE	307	246	3	61	37	80.1	a	19.9	12.1
EL DORADO	1,164	854	4	310	113	73.4	a	26.6	9.7
FRESNO	15,981	11,578	67	4,403	1,974	72.4	0.4	27.6	12.4
GLENN	3	3	-	-	-	a	-	-	-
HUMBOLDT	1,438	1,093	17	345	125	76.0	1.2	24.0	8.7
IMPERIAL	2,598	1,658	1	940	479	63.8	a	36.2	18.4
INYO	169	124	1	45	21	73.4	a	26.6	12.4
KERN	11,745	8,910	141	2,835	1,241	75.9	1.2	24.1	10.6
KINGS	2,462	1,769	4	693	359	71.9	a	28.1	14.6
LAKE	451	363	14	88	42	80.5	3.1	19.5	9.3
LASSEN	233	170	4	63	28	73.0	a	27.0	12.0
LOS ANGELES	156,476	110,711	1,530	45,765	19,452	70.8	1.0	29.2	12.4
Long Beach ¹	9,250	6,561	60	2,689	1,224	70.9	0.6	29.1	13.2
Pasadena ¹	4,138	2,824	32	1,314	488	68.2	0.8	31.8	11.8
MADERA	1,435	1,104	4	331	178	76.9	a	23.1	12.4
MARIN	1,911	1,439	57	472	161	75.3	3.0	24.7	8.4
MARIPOSA	9	9	-	-	-	100.0	-	-	-
MENDOCINO	996	770	16	226	104	77.3	1.6	22.7	10.4
MERCED	3,259	2,329	3	930	491	71.5	a	28.5	15.1
MODOC	32	27	-	5	1	84.4	-	15.6	a
MONO	104	72	-	32	16	69.2	-	30.8	15.4
MONTEREY	6,611	4,972	36	1,639	745	75.2	0.5	24.8	11.3
NAPA	1,179	894	32	285	126	75.8	2.7	24.2	10.7
NEVADA	969	782	14	187	70	80.7	1.4	19.3	7.2
ORANGE	47,050	34,120	577	12,930	5,463	72.5	1.2	27.5	11.6
PLACER	2,802	2,035	9	767	333	72.6	0.3	27.4	11.9
PLUMAS	99	74	-	25	11	74.7	-	25.3	11.1
RIVERSIDE	24,261	18,066	171	6,195	3,069	74.5	0.7	25.5	12.6
SACRAMENTO	21,743	16,558	231	5,185	1,833	76.2	1.1	23.8	8.4
SAN BENITO	582	397	-	185	97	68.2	-	31.8	16.7
SAN BERNARDINO	25,337	18,650	313	6,687	3,129	73.6	1.2	26.4	12.3
SAN DIEGO	45,653	33,590	382	12,063	4,503	73.6	0.8	26.4	9.9
SAN FRANCISCO	12,420	9,216	153	3,204	755	74.2	1.2	25.8	6.1
SAN JOAQUIN	9,628	7,435	122	2,193	927	77.2	1.3	22.8	9.6
SAN LUIS OBISPO	2,334	1,747	25	587	236	74.9	1.1	25.1	10.1
SAN MATEO	5,473	4,290	88	1,183	438	78.4	1.6	21.6	8.0
SANTA BARBARA	5,860	4,213	73	1,647	706	71.9	1.2	28.1	12.0
SANTA CLARA	31,485	23,792	174	7,693	2,767	75.6	0.6	24.4	8.8
SANTA CRUZ	3,610	2,791	36	819	346	77.3	1.0	22.7	9.6
SHASTA	2,022	1,489	19	533	232	73.6	0.9	26.4	11.5
SIERRA	-	-	-	-	-	-	-	-	-
SISKIYOU	315	243	4	72	29	77.1	a	22.9	9.2
SOLANO	5,600	4,384	89	1,216	480	78.3	1.6	21.7	8.6
SONOMA	5,862	4,452	62	1,410	564	75.9	1.1	24.1	9.6
STANISLAUS	8,770	6,429	43	2,341	976	73.3	0.5	26.7	11.1
SUTTER	2,097	1,554	37	543	248	74.1	1.8	25.9	11.8
TEHAMA	626	475	3	151	69	75.9	a	24.1	11.0
TRINITY	18	15	2	3	-	83.3	a	a	-
TULARE	6,549	4,666	47	1,883	925	71.2	0.7	28.8	14.1
TUOLUMNE	508	349	-	159	75	68.7	-	31.3	14.8
VENTURA	10,748	7,773	107	2,975	1,287	72.3	1.0	27.7	12.0
YOLO	1,836	1,461	38	375	172	79.6	2.1	20.4	9.4
YUBA	7	7	-	-	-	100.0	-	-	-

- Represents zero events.

a Percents not calculated for fewer than five events.

¹ City Health Department numbers are included in their respective county totals.

Note: Percents are rounded independently and may not add to 100.0.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-26. LIVE BIRTHS BY PLACE OF DELIVERY, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2002
(By Place of Occurrence)

COUNTY	TOTAL	IN HOSPITAL	NOT IN HOSPITAL	IN TRANSIT	UNKNOWN
CALIFORNIA	530,204	527,628	2,038	484	54
ALAMEDA	22,452	22,308	124	16	4
Berkeley ¹	7,391	7,364	22	5	-
ALPINE	1	-	-	-	1
AMADOR	130	130	-	-	-
BUTTE	2,743	2,735	4	4	-
CALAVERAS	185	184	1	-	-
COLUSA	157	156	1	-	-
CONTRA COSTA	11,709	11,644	48	16	1
DEL NORTE	307	305	2	-	-
EL DORADO	1,164	1,145	19	-	-
FRESNO	15,981	15,926	38	16	1
GLENN	3	-	-	-	3
HUMBOLDT	1,438	1,389	46	3	-
IMPERIAL	2,598	2,593	4	1	-
INYO	169	169	-	-	-
KERN	11,745	11,662	60	18	5
KINGS	2,462	2,453	3	6	-
LAKE	451	448	3	-	-
LASSEN	233	229	-	-	4
LOS ANGELES	156,476	156,026	333	110	7
Long Beach ¹	9,250	9,238	9	2	1
Pasadena ¹	4,138	4,124	14	-	-
MADERA	1,435	1,415	12	8	-
MARIN	1,911	1,861	44	6	-
MARIPOSA	9	1	-	-	8
MENDOCINO	996	951	40	3	2
MERCED	3,259	3,245	13	1	-
MODOC	32	30	-	-	2
MONO	104	103	-	-	1
MONTEREY	6,611	6,576	32	3	-
NAPA	1,179	1,170	9	-	-
NEVADA	969	927	42	-	-
ORANGE	47,050	46,892	99	57	2
PLACER	2,802	2,769	28	3	2
PLUMAS	99	93	5	-	1
RIVERSIDE	24,261	24,187	60	14	-
SACRAMENTO	21,743	21,621	104	17	1
SAN BENITO	582	581	1	-	-
SAN BERNARDINO	25,337	25,245	85	6	1
SAN DIEGO	45,653	45,507	127	19	-
SAN FRANCISCO	12,420	12,328	70	22	-
SAN JOAQUIN	9,628	9,602	14	11	1
SAN LUIS OBISPO	2,334	2,301	32	1	-
SAN MATEO	5,473	5,438	32	1	2
SANTA BARBARA	5,860	5,813	44	3	-
SANTA CLARA	31,485	31,380	84	20	1
SANTA CRUZ	3,610	3,504	104	2	-
SHASTA	2,022	1,989	33	-	-
SIERRA	-	-	-	-	-
SISKIYOU	315	305	9	1	-
SOLANO	5,600	5,572	27	1	-
SONOMA	5,862	5,784	66	12	-
STANISLAUS	8,770	8,743	22	5	-
SUTTER	2,097	2,092	5	-	-
TEHAMA	626	625	1	-	-
TRINITY	18	16	-	-	2
TULARE	6,549	6,534	12	3	-
TUOLUMNE	508	493	14	-	1
VENTURA	10,748	10,622	53	72	1
YOLO	1,836	1,811	23	2	-
YUBA	7	-	6	1	-

- Represents zero events.

¹ City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-27. LIVE BIRTHS BY BIRTHWEIGHT, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2002
(By Place of Residence)

COUNTY	TOTAL	BIRTHWEIGHT					
		UNDER 1500 GRAMS	1500- 2499 GRAMS	2500- 3499 GRAMS	3500- 4499 GRAMS	4500 GRAMS AND OVER	NOT STATED
CALIFORNIA	529,245	6,127	27,732	285,471	201,764	8,143	8
ALAMEDA	21,802	238	1,210	11,709	8,249	396	-
Berkeley ¹	900	5	41	470	369	15	-
ALPINE	11	-	-	9	2	-	-
AMADOR	260	1	16	131	108	4	-
BUTTE	2,268	26	117	1,141	937	47	-
CALAVERAS	338	4	15	196	118	5	-
COLUSA	307	1	6	150	145	5	-
CONTRA COSTA	13,315	144	686	6,837	5,394	254	-
DEL NORTE	288	3	11	138	126	10	-
EL DORADO	1,765	25	97	973	656	14	-
FRESNO	14,766	181	775	8,183	5,427	200	-
GLENN	408	7	13	197	179	12	-
HUMBOLDT	1,420	8	74	664	629	45	-
IMPERIAL	2,662	26	116	1,422	1,063	35	-
INYO	173	-	7	101	63	2	-
KERN	12,211	144	651	6,389	4,806	221	-
KINGS	2,311	27	112	1,202	919	51	-
LAKE	636	5	37	335	249	10	-
LASSEN	301	3	12	183	101	2	-
LOS ANGELES	151,167	1,898	8,324	84,372	54,578	1,991	4
Long Beach ¹	7,913	98	477	4,315	2,904	119	-
Pasadena ¹	2,173	36	140	1,294	685	18	-
MADERA	2,147	18	120	1,194	787	27	1
MARIN	2,772	25	146	1,352	1,197	52	-
MARIPOSA	130	1	3	69	55	2	-
MENDOCINO	1,078	16	47	556	435	24	-
MERCED	4,030	56	208	2,185	1,523	58	-
MODOC	67	1	5	34	27	-	-
MONO	138	5	6	91	36	-	-
MONTEREY	7,119	62	360	3,673	2,894	129	1
NAPA	1,571	17	84	721	695	54	-
NEVADA	823	6	38	414	350	15	-
ORANGE	44,796	435	2,285	24,457	16,968	651	-
PLACER	3,484	39	145	1,749	1,487	64	-
PLUMAS	183	2	8	115	56	2	-
RIVERSIDE	26,691	314	1,287	14,620	10,090	380	-
SACRAMENTO	19,243	255	961	9,866	7,796	365	-
SAN BENITO	920	4	36	444	419	17	-
SAN BERNARDINO	29,696	376	1,694	16,319	10,910	396	1
SAN DIEGO	43,951	476	2,206	22,699	17,812	758	-
SAN FRANCISCO	8,361	84	471	4,666	3,030	110	-
SAN JOAQUIN	10,162	137	543	5,406	3,906	170	-
SAN LUIS OBISPO	2,368	16	123	1,180	1,002	47	-
SAN MATEO	10,091	121	527	5,389	3,918	136	-
SANTA BARBARA	5,698	61	300	3,009	2,244	84	-
SANTA CLARA	27,060	276	1,428	15,190	9,762	403	1
SANTA CRUZ	3,334	44	148	1,684	1,398	60	-
SHASTA	1,963	15	94	995	817	42	-
SIERRA	30	2	1	19	7	1	-
SISKIYOU	411	5	26	211	162	7	-
SOLANO	5,851	93	320	2,928	2,398	112	-
SONOMA	5,679	48	211	2,757	2,525	138	-
STANISLAUS	7,929	94	412	4,093	3,210	120	-
SUTTER	1,263	12	65	640	517	29	-
TEHAMA	711	9	32	363	295	12	-
TRINITY	106	1	5	56	43	1	-
TULARE	7,419	82	325	4,040	2,861	111	-
TUOLUMNE	442	2	17	228	186	9	-
VENTURA	11,606	134	558	6,046	4,708	160	-
YOLO	2,384	28	130	1,119	1,028	79	-
YUBA	1,129	14	78	562	461	14	-

- Represents zero events.

¹ City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-28 PERCENT OF LIVE BIRTHS WITH SELECTED DEMOGRAPHIC CHARACTERISTICS, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2002 (By Place of Residence)

COUNTY	PERCENT [†] OF BIRTHS BY DEMOGRAPHIC CHARACTERISTICS						
	Mothers Under 20 Years of Age	Mothers Completing 12 Years or More of School	Mothers Born in the United States	Unmarried Mothers	4th & Higher Birth Order	Fathers Under 20 Years of Age	Fathers Completing 12 Years or More of School
CALIFORNIA	9.6	71.2	53.5	33.0	12.1	3.6	72.5
ALAMEDA	6.4	80.5	48.5	26.5	8.2	2.2	82.5
Berkeley ¹	4.7	92.5	65.8	23.8	4.8	a	94.3
ALPINE	a	72.7	90.9	45.5	a	-	75.0
AMADOR	11.2	84.2	91.5	24.6	9.3	3.3	84.6
BUTTE	12.7	79.9	83.9	34.5	12.1	5.0	81.1
CALAVERAS	10.9	85.4	91.9	25.2	13.7	2.9	87.5
COLUSA	11.4	59.2	48.4	29.0	13.7	2.4	56.0
CONTRA COSTA	6.7	81.5	61.8	25.8	9.2	2.2	83.0
DEL NORTE	19.1	64.6	84.4	47.9	12.8	10.8	63.6
EL DORADO	8.2	86.3	82.1	23.9	8.7	2.7	87.8
FRESNO	14.8	61.7	62.7	42.7	17.5	6.1	62.6
GLENN	11.8	62.4	62.5	32.8	15.7	3.8	62.1
HUMBOLDT	11.2	80.6	89.4	42.8	10.9	4.1	82.4
IMPERIAL	14.7	71.5	50.2	39.1	11.8	7.4	74.9
INYO	10.4	73.4	73.4	39.9	11.0	3.1	71.9
KERN	15.3	67.7	65.4	43.0	18.8	6.4	69.9
KINGS	15.3	69.1	70.2	39.7	14.4	5.9	70.5
LAKE	12.7	73.1	84.1	45.3	16.7	4.6	75.8
LASSEN	11.0	90.1	93.2	15.0	13.6	3.2	88.8
LOS ANGELES	9.8	65.7	43.4	38.0	12.9	3.6	67.2
Long Beach ¹	10.7	64.7	48.3	43.5	15.4	3.8	66.6
Pasadena ¹	7.7	79.0	51.0	24.9	9.5	2.9	79.4
MADERA	15.7	54.7	54.8	43.6	18.4	5.7	53.9
MARIN	2.4	84.4	65.7	17.3	4.3	0.4	81.5
MARIPOSA	7.7	89.8	92.3	21.5	13.8	a	85.1
MENDOCINO	12.3	76.5	71.0	40.0	12.2	3.8	75.7
MERCED	14.6	63.2	57.6	39.9	17.2	6.1	61.4
MODOC	14.9	83.3	86.6	22.4	7.5	a	77.6
MONO	7.2	65.9	54.0	15.2	8.8	a	68.6
MONTEREY	12.3	53.3	43.0	36.6	13.3	4.4	52.8
NAPA	7.8	68.7	56.8	22.4	9.6	2.9	66.8
NEVADA	6.9	85.6	85.9	28.9	8.5	2.9	86.6
ORANGE	7.1	70.4	45.5	26.4	10.8	2.3	71.7
PLACER	5.8	90.9	83.1	17.3	8.6	2.0	91.2
PLUMAS	11.5	88.5	94.5	24.6	12.0	a	92.4
RIVERSIDE	11.6	69.9	61.8	35.8	15.3	4.4	70.6
SACRAMENTO	9.5	80.2	67.5	33.1	13.3	3.3	82.4
SAN BENITO	10.1	67.9	61.6	29.9	12.0	4.6	68.2
SAN BERNARDINO	12.4	70.4	65.9	39.8	16.0	5.1	72.6
SAN DIEGO	8.6	77.2	57.6	27.8	10.2	3.1	79.8
SAN FRANCISCO	4.5	83.4	48.7	24.6	5.1	1.5	83.9
SAN JOAQUIN	12.8	68.9	62.0	37.2	15.5	5.1	68.8
SAN LUIS OBISPO	9.0	79.3	75.0	27.9	10.5	3.1	79.4
SAN MATEO	5.3	81.6	46.4	20.1	6.6	1.5	79.1
SANTA BARBARA	10.5	64.6	53.4	30.1	11.2	4.0	63.9
SANTA CLARA	5.5	78.7	38.7	21.9	7.5	1.8	80.6
SANTA CRUZ	9.4	66.1	57.2	32.9	9.1	3.6	65.4
SHASTA	14.4	80.7	93.5	38.2	11.6	5.4	85.1
SIERRA	a	93.3	100.0	20.0	-	a	89.7
SISKIYOU	14.4	78.1	87.1	40.6	10.8	5.2	82.8
SOLANO	8.8	81.7	68.1	31.2	10.5	3.2	82.5
SONOMA	8.0	72.0	63.1	29.1	7.5	3.0	72.2
STANISLAUS	12.2	69.0	63.2	34.7	13.4	4.3	69.4
SUTTER	13.1	69.3	62.8	30.8	11.3	4.5	71.1
TEHAMA	18.1	68.6	79.7	42.5	12.1	7.4	69.2
TRINITY	8.5	85.8	98.1	43.4	13.2	6.1	83.7
TULARE	16.2	57.8	59.0	43.4	17.0	6.5	55.5
TUOLUMNE	9.7	84.2	94.8	34.6	11.1	4.3	86.0
VENTURA	8.8	72.9	58.3	24.2	10.9	3.0	73.1
YOLO	7.4	74.7	60.5	25.5	10.8	2.2	73.8
YUBA	14.8	68.4	76.4	34.5	15.1	7.0	69.7

- Represents zero events.

¹ City Health Department.

a Percents not calculated for fewer than 5 events.

† Births with unknown characteristics were subtracted from totals before percentages were calculated.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-29. LIVE BIRTHS BY AGE OF MOTHER (DETAILED UNDER AGE 20), CALIFORNIA COUNTIES AND SELECTED CITY/HEALTH DEPARTMENTS, 2002 (By Place of Residence)

COUNTY	TOTAL	AGE OF MOTHER												
		UNDER 15	15	16	15-19 BY SINGLE YEAR	18	19	15-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER
CALIFORNIA	529,245	743	2,304	5,386	8,970	13,846	19,695	50,201	123,056	137,237	130,368	69,873	16,553	1,176
ALAMEDA	21,802	25	53	130	4	10	22	1,369	3,972	5,583	3,600	831	63	3
Berkeley ¹	900	-	1	5	1	1	-	42	85	174	233	78	7	-
ALPINE	11	-	-	-	-	-	-	2	1	4	2	-	8	1
AMADOR	260	-	2	4	3	11	9	29	76	60	53	33	-	-
BUTTE	2,268	5	6	28	39	78	132	283	644	605	468	207	55	-
CALAVERAS	338	-	-	3	7	12	15	37	89	86	63	50	11	1
COLUSA	307	-	3	2	6	9	15	35	87	94	65	20	6	-
CONTRA COSTA	13,315	16	42	83	157	253	339	874	2,481	3,261	3,814	2,294	536	39
DEL NORTE	288	2	2	4	11	18	18	53	97	74	39	20	2	1
EL DORADO	1,765	1	4	11	30	38	61	144	346	435	480	290	68	1
FRESNO	14,766	39	128	263	4	10	8	45	2,150	4,457	3,797	2,728	1,261	21
GLEN INN	408	3	4	15	24	48	62	157	380	441	441	118	69	1
HUMBOLDT	1,420	2	8	22	52	99	139	389	750	728	511	236	128	42
IMPERIAL	2,662	3	-	1	1	2	6	7	17	55	42	38	17	3
INYO	173	1	1	1	1	2	6	7	17	55	42	38	17	-
KERN	12,211	30	103	209	324	513	694	1,843	3,888	3,136	2,080	983	242	9
KINGS	2,311	3	11	41	65	96	138	351	783	618	368	163	24	-
LAKE	636	1	5	15	7	21	32	80	228	151	121	50	5	-
LASSEN	301	-	-	5	2	9	17	33	107	80	60	16	5	-
LOS ANGELES	151,167	248	703	1,659	2,719	3,989	5,430	14,510	34,245	39,533	36,863	20,420	4,973	356
Long Beach ¹	7,913	12	37	87	160	217	337	838	2,029	2,042	1,832	947	190	22
Pasadena ¹	2,173	5	8	16	29	48	62	163	354	495	651	384	115	6
MADERA	2,147	7	13	38	40	102	137	330	683	572	358	153	42	2
MARIN	2,772	1	1	9	6	21	29	66	302	410	912	837	226	18
MARIPOSA	130	-	-	-	1	1	2	7	10	30	34	26	5	-
MENDOCINO	1,078	1	8	15	25	28	56	132	292	289	226	102	32	4
MERCED	4,030	5	27	59	114	152	231	583	1,274	1,010	754	325	75	4
MODOC	67	1	-	-	1	4	4	4	26	26	10	4	-	-
MONO	138	-	-	3	3	4	10	34	41	34	16	3	-	-
MONTEREY	7,119	11	40	96	172	241	314	863	1,977	1,864	701	201	14	-
NAPA	1,571	-	6	13	30	22	51	122	335	422	421	226	43	2
NEVADA	823	-	3	7	12	15	20	57	180	177	234	123	49	3
ORANGE	44,796	46	136	344	521	854	1,292	3,147	8,393	11,710	12,768	7,060	1,555	111
PLACER	3,484	3	7	17	27	58	91	200	579	882	1,139	526	140	5
PLUMAS	183	-	1	-	2	7	11	21	57	52	22	27	4	-
RIVERSIDE	26,691	26	125	310	548	850	1,249	3,082	7,265	7,336	5,639	2,706	604	31
SACRAMENTO	19,243	33	75	181	328	469	747	1,800	4,761	5,243	4,640	2,192	528	46
SAN BENITO	920	1	3	15	17	25	32	92	223	234	230	106	31	3
SAN BERNARDINO	29,696	45	162	365	616	1,033	1,476	3,652	8,738	7,837	6,010	2,727	646	35
SAN DIEGO	43,951	50	165	359	631	1,012	1,565	3,732	10,157	11,278	11,248	5,982	1,396	-
SAN FRANCISCO	8,361	7	21	35	66	115	134	371	1,040	1,720	2,870	1,884	435	34
SAN JOAQUIN	10,162	20	64	145	227	372	473	1,281	2,911	2,717	2,057	945	218	13
SAN LUIS OBISPO	2,368	-	8	19	38	61	87	213	552	608	572	329	86	7
SAN MATEO	10,091	3	17	52	90	140	230	529	1,463	2,256	3,166	2,135	499	38
SANTA BARBARA	5,698	7	22	60	95	170	243	590	1,444	1,478	1,319	665	178	16
SANTA CLARA	27,060	18	61	143	257	405	610	1,476	4,332	7,089	8,518	4,519	1,028	80
SANTA CRUZ	3,334	7	22	27	62	75	120	306	705	831	811	503	156	15
SHASTA	1,963	2	12	20	41	81	127	281	569	508	385	171	45	2
SIERRA	30	-	-	1	-	3	4	9	5	7	3	2	-	-
SISKIYOU	4,111	2	1	6	11	16	23	57	133	97	75	38	8	1
SOLANO	5,851	4	24	58	83	140	205	510	1,474	1,619	1,435	655	141	13
SONOMA	5,679	6	14	58	65	140	172	449	1,244	1,405	1,541	823	200	11
STANISLAUS	7,929	16	39	102	195	267	351	954	2,310	2,191	1,578	713	156	11
SUTTER	1,263	-	10	14	23	44	74	165	355	372	232	117	22	-
TEHAMA	711	6	4	16	21	28	54	123	239	166	117	51	8	1
TRINITY	106	-	-	1	3	2	9	37	29	15	14	14	2	-
TUOLUMNE	7,419	17	51	143	226	337	428	1,185	2,466	1,848	1,238	538	118	9
VENTURA	442	-	2	4	6	11	20	43	144	123	69	48	13	2
YOLO	11,600	16	46	92	188	264	415	1,005	2,527	3,038	2,959	1,655	371	35
YUBA	2,384	3	8	15	19	49	83	174	565	596	649	318	78	1
	1,129	-	9	18	30	33	77	167	422	422	149	81	30	2

- Represents zero events.

¹ City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-30. GENERAL FERTILITY RATE AND BIRTH RATES BY AGE OF MOTHER, CALIFORNIA COUNTIES, 2002 (By Place of Residence)
 (General fertility rate is live births per 1,000 women, age 15-44 years. Birth rates are live births per 1,000 female population in specified age groups.)

COUNTY	GENERAL FERTILITY RATE	BIRTH RATE BY AGE OF MOTHER							
		UNDER 15 ¹	15-19	20-24	25-29	30-34	35-39	40-44	45 and Over ²
CALIFORNIA	71.0	0.5	41.6	107.9	127.5	105.7	50.9	11.6	0.9
ALAMEDA	68.4	0.4	28.2	87.0	126.8	117.1	60.1	12.5	1.0
ALPINE	b	-	a,b	a,b	a,b	a,b	a,b	-	-
AMADOR	46.0	-	28.1	70.5	b	b	b	6.9	a
BUTTE	52.5	0.7	37.1	87.2	97.4	65.8	28.1	7.3	a
CALAVERAS	42.4	-	25.1	61.5	67.6	63.0	41.8	6.9	a
COLUSA	66.6	-	b	b	b	b	b	b	-
CONTRA COSTA	70.3	0.5	27.6	82.8	120.2	136.1	69.0	13.6	1.0
DEL NORTE	46.4	a,b	46.2	82.8	b	b	b	a	a
EL DORADO	50.1	a	23.1	58.7	80.9	98.1	52.5	9.3	a
FRESNO	82.6	1.1	65.4	143.0	143.3	97.0	42.6	10.2	0.8
GLENN	65.2	a	37.3	94.5	109.9	b	b	10.9	a
HUMBOLDT	51.4	a	34.0	81.7	116.7	54.0	29.1	8.1	a
IMPERIAL	75.2	a	58.6	108.5	114.4	100.4	46.0	8.4	a
INYO	52.9	a,b	b	b	b	b	b	a,b	-
KERN	83.4	1.0	66.0	152.1	143.4	96.1	41.5	9.4	0.4
KINGS	88.2	a	72.3	174.5	135.3	85.5	40.3	6.1	a
LAKE	57.5	a	38.0	115.5	91.3	79.8	29.6	2.3	-
LASSEN	48.1	-	28.8	92.2	74.6	b	b	4.7	-
LOS ANGELES	72.7	0.6	45.0	116.9	137.7	103.6	50.1	12.0	1.0
MADERA	69.9	1.4	69.3	110.9	90.4	71.9	36.6	9.7	a
MARIN	48.5	a	10.1	48.3	49.4	87.4	68.2	16.9	1.8
MARIPOSA	41.5	-	b	b	b	b	b	b	-
MENDOCINO	59.5	a	39.2	86.5	94.1	90.3	38.8	10.1	a
MERCED	84.4	0.5	61.2	147.9	137.8	110.0	43.4	9.4	a
MODOC	33.6	a,b	b	b	b	b	a,b	b	a,b
MONO	64.2	-	b	b	b	b	b	a,b	-
MONTEREY	88.9	0.6	59.1	149.8	178.6	125.0	49.3	12.8	1.0
NAPA	60.2	-	28.8	79.4	101.6	95.5	53.1	8.9	a
NEVADA	44.7	-	17.1	52.8	60.6	97.0	44.2	13.8	a
ORANGE	75.7	0.4	35.3	102.4	142.3	122.5	60.3	13.3	1.1
PLACER	65.8	a	20.8	68.2	123.9	148.6	58.5	12.7	0.5
PLUMAS	46.3	-	b	b	b	b	a,b	-	-
RIVERSIDE	77.5	0.4	49.7	129.2	146.2	106.7	46.0	9.4	0.5
SACRAMENTO	71.5	0.7	40.3	113.3	140.2	110.6	44.3	9.8	0.9
SAN BENITO	78.4	a	47.6	112.9	117.3	118.4	56.4	15.4	a
SAN BERNARDINO	76.2	0.5	51.0	135.8	138.1	104.5	40.9	8.8	0.5
SAN DIEGO	65.1	0.4	37.1	93.7	99.0	88.0	50.4	13.2	1.3
SAN FRANCISCO	51.7	0.3	20.6	59.4	88.1	103.7	46.0	11.4	1.0
SAN JOAQUIN	81.6	0.8	54.9	136.4	147.3	106.6	47.4	9.8	0.6
SAN LUIS OBISPO	39.1	-	20.4	45.5	68.4	55.5	32.7	9.8	1.0
SAN MATEO	65.4	a	23.0	68.2	105.4	128.4	69.4	15.2	1.2
SANTA BARBARA	64.7	0.5	39.1	94.9	138.4	85.4	42.5	11.2	1.1
SANTA CLARA	70.5	0.3	26.1	82.8	132.4	130.3	59.3	12.8	1.2
SANTA CRUZ	60.4	0.7	32.1	79.2	117.4	89.9	51.9	14.2	1.3
SHASTA	53.0	a	41.1	89.2	87.7	71.7	28.9	6.7	a
SIERRA	b	-	a,b	b	b	b	a,b	a,b	-
SISKIYOU	46.1	a	34.4	72.9	59.7	68.3	34.1	5.0	a
SOLANO	67.2	a	32.7	102.1	128.8	113.7	44.6	8.2	0.8
SONOMA	58.6	0.4	27.8	84.4	105.0	99.7	47.5	10.1	0.5
STANISLAUS	76.0	0.8	49.8	128.0	139.4	100.9	41.6	8.4	0.6
SUTTER	72.2	-	52.8	120.7	132.6	86.5	41.0	7.1	-
TEHAMA	62.5	2.9	58.6	113.5	86.9	80.0	29.4	3.9	a
TRINITY	42.3	-	b	b	b	b	a,b	-	-
TULARE	89.6	1.0	74.6	157.3	136.7	102.0	43.2	9.0	0.7
TUOLUMNE	39.8	-	24.4	72.2	69.9	41.1	26.1	6.3	a
VENTURA	74.7	0.5	37.7	100.3	128.8	121.3	64.0	12.5	1.2
YOLO	55.1	a	22.6	57.0	90.1	93.6	50.1	13.6	a
YUBA	80.9	-	59.6	179.9	142.7	73.3	34.0	12.2	a

¹ For women under 15, the rate is calculated using female population 10-14 years of age.

² For women 45 years and over, the rate is calculated using the female population 45-49 years of age.

- Represents zero events.

a Rates are not calculated for fewer than five live births.

b Rates are not calculated for counties reporting fewer than 1,000 population in a specific age group.

Source: State of California, Department of Health Services, Birth Records.
 State of California, Department of Finance, 2002 Population: 1997-2040 Population Projections by Age, Sex and Race/Ethnic Detail, December 1998.

TABLE 2-31. BIRTH RATES BY YEAR OF AGE FOR TEENAGE MOTHERS, CALIFORNIA COUNTIES, 2002 (By Place of Residence)
(Birth rates are live births per 1,000 women in specified age groups.)

COUNTY	BIRTH RATE BY YEAR OF AGE OF MOTHER						
	UNDER 15 ¹	15	16	17	18	19	15-19
CALIFORNIA	0.5	9.4	22.0	37.7	58.6	80.9	41.6
ALAMEDA	0.4	5.4	13.3	23.4	42.6	57.6	28.2
ALPINE	-	-	-	a,b	a,b	-	a,b
AMADOR	-	a,b	a,b	a,b	b	b	28.1
BUTTE	0.7	4.1	17.8	25.8	50.3	86.0	37.1
CALAVERAS	-	-	a,b	b	b	b	25.1
COLUSA	-	a,b	a,b	b	b	b	b
CONTRA COSTA	0.5	6.6	12.8	24.8	40.6	53.9	27.6
DEL NORTE	a,b	a,b	a,b	b	b	b	46.2
EL DORADO	a	a	8.7	23.9	30.3	50.8	23.1
FRESNO	1.1	19.9	39.0	63.6	87.7	116.2	65.4
GLENN	a	a,b	a,b	b	b	b	37.3
HUMBOLDT	a	b	b	b	b	b	34.0
IMPERIAL	a	17.1	39.8	56.7	74.0	103.3	58.6
INYO	a,b	a,b	a,b	a,b	b	b	b
KERN	1.0	18.7	37.0	57.7	93.2	123.0	66.0
KINGS	a	b	b	b	b	b	72.3
LAKE	a	b	b	b	b	b	38.0
LASSEN	-	-	b	a,b	b	b	28.8
LOS ANGELES	0.6	10.4	24.7	42.6	64.7	87.2	45.0
MADERA	1.4	b	b	b	b	135.0	69.3
MARIN	a	a	6.6	4.6	16.3	23.3	10.1
MARIPOSA	-	-	-	a,b	a,b	b	b
MENDOCINO	a	b	b	b	b	b	39.2
MERCED	0.5	14.5	31.2	57.8	79.6	121.7	61.2
MODOC	a,b	-	-	a,b	a,b	a,b	b
MONO	-	-	-	a,b	a,b	a,b	b
MONTEREY	0.6	13.4	32.5	58.2	83.9	111.1	59.1
NAPA	-	b	b	b	b	b	28.8
NEVADA	-	a,b	b	b	b	b	17.1
ORANGE	0.4	7.3	18.7	29.8	49.4	73.9	35.3
PLACER	a	3.6	8.7	14.3	29.8	48.7	20.8
PLUMAS	-	a,b	-	a,b	b	b	b
RIVERSIDE	0.4	9.9	24.3	43.9	70.5	102.7	49.7
SACRAMENTO	0.7	8.4	19.9	36.4	53.8	84.3	40.3
SAN BENITO	a	a,b	b	b	b	b	47.6
SAN BERNARDINO	0.5	11.1	24.8	43.2	74.2	105.2	51.0
SAN DIEGO	0.4	8.4	18.2	32.9	52.4	69.3	37.1
SAN FRANCISCO	0.3	5.7	9.7	18.1	32.6	38.2	20.6
SAN JOAQUIN	0.8	13.5	31.0	48.0	81.4	102.0	54.9
SAN LUIS OBISPO	-	4.9	11.1	22.2	24.9	29.7	20.4
SAN MATEO	a	3.6	11.1	19.5	31.3	50.6	23.0
SANTA BARBARA	0.5	8.2	22.7	37.5	52.5	60.9	39.1
SANTA CLARA	0.3	5.3	12.4	22.8	36.8	54.8	26.1
SANTA CRUZ	0.7	12.7	16.1	35.1	37.7	51.0	32.1
SHASTA	a	8.7	14.6	30.9	58.4	92.8	41.1
SIERRA	-	-	a,b	-	-	a,b	a,b
SISKIYOU	a	a,b	b	b	b	b	34.4
SOLANO	a	7.7	18.2	27.0	45.3	65.6	32.7
SONOMA	0.4	4.3	17.6	20.2	43.8	53.9	27.8
STANISLAUS	0.8	10.0	26.4	51.3	70.9	92.5	49.8
SUTTER	-	b	b	b	b	b	52.8
TEHAMA	2.9	a,b	b	b	b	b	58.6
TRINITY	-	-	a,b	a,b	a,b	a,b	b
TULARE	1.0	16.6	44.8	70.7	104.7	133.4	74.6
TUOLUMNE	-	a,b	a,b	b	b	b	24.4
VENTURA	0.5	8.8	16.5	35.5	50.4	77.8	37.7
YOLO	a	7.5	14.1	16.8	25.5	32.8	22.6
YUBA	-	b	b	b	b	b	59.6

¹ For women under 15, the rate is calculated using the female population 10-14 years of age.

- Represents zero births.

a Rates are not calculated for fewer than five live births.

b Rates are not calculated for counties reporting fewer than 1,000 population in a specific age group.

Source: State of California, Department of Health Services, Birth Records.

State of California, Department of Finance, 2002 Population: 1997-2040 Population Projections by Age, Sex and Race/Ethnic Detail, December 1998.

TABLE 2-32. LIVE BIRTHS BY AGE OF FATHER (DETAILED UNDER AGE 20), CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2002 (By Place of Residence)

COUNTY	TOTAL	TOTAL UNDER 20	PERCENT ¹ UNDER 20	AGE OF FATHER									
				UNDER 15	15	16	17	18	19	20-24	25 AND OVER	NOT STATED	
CALIFORNIA	529,245	17,469	3.6	59	265	941	2,479	5,065	8,660	84,029	390,122	37,625	
ALAMEDA	21,802	455	2.2	3	6	19	56	130	241	2,470	17,807	1,070	
Berkeley ²	900	3	a	-	-	-	-	1	2	69	772	56	
ALPINE	11	-	-	-	-	-	-	-	-	1	7	3	
AMADOR	260	8	3.3	-	-	-	4	2	2	61	177	14	
BUTTE	2,268	104	5.0	-	-	7	18	32	47	435	1,530	199	
CALAVERAS	338	9	2.9	-	-	1	-	4	4	56	241	32	
COLUSA	307	7	2.4	-	-	1	-	1	5	68	218	14	
CONTRA COSTA	13,315	274	2.2	1	1	12	43	67	150	1,592	10,708	741	
DEL NORTE	288	27	10.8	-	-	1	3	7	16	62	162	37	
EL DORADO	1,765	45	2.7	-	1	-	9	17	18	243	1,384	93	
FRESNO	14,766	793	6.1	7	20	47	106	226	387	3,089	9,206	1,678	
GLENN	408	14	3.8	-	-	-	5	-	9	71	283	40	
HUMBOLDT	1,420	54	4.1	-	-	5	7	13	29	242	1,011	113	
IMPERIAL	2,662	183	7.4	1	2	7	34	52	87	572	1,720	187	
INYO	173	5	3.1	-	-	1	-	2	2	39	116	13	
KERN	12,211	679	6.4	3	7	47	102	208	312	2,622	7,278	1,632	
KINGS	2,311	126	5.9	-	2	10	26	34	54	668	1,352	165	
LAKE	636	26	4.6	-	-	-	3	8	15	142	403	65	
LASSEN	301	9	3.2	-	-	-	-	2	7	71	198	23	
LOS ANGELES	151,167	5,039	3.6	18	89	289	735	1,486	2,422	23,174	111,200	11,754	
Long Beach ²	7,913	269	3.8	1	5	10	38	81	134	1,330	5,426	888	
Pasadena ²	2,173	60	2.9	1	1	8	5	16	29	237	1,757	119	
MADERA	2,147	111	5.7	-	1	8	11	29	62	485	1,340	211	
MARIN	2,772	12	0.4	-	-	-	1	4	7	203	2,455	102	
MARIPOSA	130	2	a	-	-	-	-	1	1	24	97	7	
MENDOCINO	1,078	38	3.8	-	2	3	5	10	18	209	757	74	
MERCED	4,030	227	6.1	1	5	14	21	83	103	898	2,570	335	
MODOC	67	3	a	-	-	-	1	-	2	17	39	8	
MONO	138	3	a	-	-	-	1	1	1	19	101	15	
MONTEREY	7,119	297	4.4	1	4	18	38	91	145	1,510	4,928	384	
NAPA	1,571	44	2.9	-	-	5	2	14	23	209	1,264	54	
NEVADA	823	23	2.9	-	-	1	3	7	12	99	658	43	
ORANGE	44,796	997	2.3	2	18	48	141	285	503	5,539	35,938	2,322	
PLACER	3,484	67	2.0	-	-	3	6	18	40	394	2,899	124	
PLUMAS	183	4	a	-	-	-	-	3	1	34	119	26	
RIVERSIDE	26,691	1,093	4.4	2	20	52	169	312	538	5,240	18,486	1,872	
SACRAMENTO	19,243	582	3.3	1	9	33	83	153	303	3,015	13,952	1,694	
SAN BENITO	920	40	4.6	-	-	3	2	17	18	157	677	46	
SAN BERNARDINO	29,696	1,398	5.1	6	20	71	199	416	686	6,240	19,555	2,503	
SAN DIEGO	43,951	1,291	3.1	7	18	64	183	359	660	7,361	32,495	2,804	
SAN FRANCISCO	8,361	117	1.5	-	2	10	21	34	50	620	7,116	508	
SAN JOAQUIN	10,162	470	5.1	-	10	30	65	140	225	1,962	6,849	881	
SAN LUIS OBISPO	2,368	70	3.1	-	2	7	7	17	37	385	1,796	117	
SAN MATEO	10,091	146	1.5	-	2	3	19	31	91	903	8,573	469	
SANTA BARBARA	5,698	211	4.0	-	-	5	23	59	124	1,005	4,099	383	
SANTA CLARA	27,060	464	1.8	2	10	27	52	133	240	2,592	22,617	1,387	
SANTA CRUZ	3,334	113	3.6	-	1	8	15	39	50	523	2,491	207	
SHASTA	1,963	95	5.4	-	1	2	12	26	54	399	1,272	197	
SIERRA	30	3	a	-	-	-	-	-	3	6	21	-	
SISKIYOU	411	19	5.2	-	-	1	4	6	8	82	267	43	
SOLANO	5,851	176	3.2	-	-	8	27	43	98	1,002	4,323	350	
SONOMA	5,679	159	3.0	-	1	5	23	34	96	831	4,396	293	
STANISLAUS	7,929	319	4.3	-	5	16	51	92	155	1,591	5,464	555	
SUTTER	1,263	54	4.5	-	1	3	7	20	23	257	891	61	
TEHAMA	711	48	7.4	-	-	-	8	15	25	178	425	60	
TRINITY	106	6	6.1	-	-	-	-	3	3	20	72	8	
TULARE	7,419	441	6.5	2	5	19	60	135	220	1,806	4,514	658	
TUOLUMNE	442	18	4.3	-	-	1	7	3	7	109	288	27	
VENTURA	11,606	330	3.0	-	-	20	44	103	163	1,763	8,823	690	
YOLO	2,384	48	2.2	2	-	2	7	17	20	368	1,814	154	
YUBA	1,129	73	7.0	-	-	4	10	21	38	296	680	80	

¹ Births with unknown (not stated) values were subtracted from totals before percentages were calculated.

² City Health Department numbers are included in their respective county totals.

a Percents not calculated for fewer than five events.

- Represents zero events.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-33. LIVE BIRTHS BY RACE/ETHNIC GROUP¹ OF MOTHER, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2002
(By Place of Residence)

COUNTY	TOTAL	HISPANIC	RACE/ETHNIC GROUP OF MOTHER						
			2 OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER	WHITE/OTHER	UNKNOWN
CALIFORNIA	529,245	263,023	6,813	1,966	59,376	29,807	2,411	161,663	4,186
ALAMEDA	21,802	6,468	349	53	5,659	2,830	222	5,910	311
Berkeley ²	900	128	27	1	104	146	2	482	10
ALPINE	11	1	-	4	-	-	-	6	-
AMADOR	260	33	4	8	4	-	1	209	1
BUTTE	2,268	430	53	35	116	48	6	1,574	6
CALAVERAS	338	47	4	5	5	2	1	273	1
COLUSA	307	194	4	5	3	-	2	98	1
CONTRA COSTA	13,315	4,091	219	39	1,618	1,237	79	5,473	559
DEL NORTE	288	65	7	34	8	-	-	174	-
EL DORADO	1,765	309	34	10	64	6	2	1,330	10
FRESNO	14,766	8,880	123	108	1,241	813	15	3,551	35
GLENN	408	188	6	2	13	1	-	198	-
HUMBOLDT	1,420	170	61	125	29	8	5	1,008	14
IMPERIAL	2,662	2,304	1	18	33	23	2	277	4
INYO	173	59	13	11	3	-	-	87	-
KERN	12,211	6,941	129	51	394	663	21	3,999	13
KINGS	2,311	1,299	29	13	77	111	4	776	2
LAKE	636	150	19	31	7	9	2	416	2
LASSEN	301	39	6	12	6	3	2	233	-
LOS ANGELES	151,167	94,742	1,381	209	15,018	11,483	537	27,289	508
Long Beach ²	7,913	4,281	101	9	910	1,047	143	1,394	28
Pasadena ²	2,173	920	30	4	295	219	2	672	31
MADERA	2,147	1,474	12	15	19	43	-	580	4
MARIN	2,772	621	32	4	194	58	7	1,830	26
MARIPOSA	130	13	3	2	2	1	-	107	2
MENDOCINO	1,078	375	20	69	16	3	1	580	14
MERCED	4,030	2,583	98	4	192	115	7	1,024	7
MODOC	67	9	2	1	-	-	-	55	-
MONO	138	56	3	2	2	1	-	73	1
MONTEREY	7,119	5,112	79	9	311	104	27	1,453	24
NAPA	1,571	755	23	1	61	13	8	703	7
NEVADA	823	125	13	3	15	-	-	665	2
ORANGE	44,796	22,130	453	58	6,385	469	158	14,846	297
PLACER	3,484	572	71	13	179	24	7	2,607	11
PLUMAS	183	11	2	2	1	1	-	166	-
RIVERSIDE	26,691	14,990	340	136	1,030	1,349	74	8,668	104
SACRAMENTO	19,243	4,880	508	100	2,663	1,955	185	8,856	96
SAN BENITO	920	610	2	1	21	6	-	277	3
SAN BERNARDINO	29,696	16,274	363	104	1,359	2,627	121	8,744	104
SAN DIEGO	43,951	19,594	718	205	4,225	2,296	267	16,144	502
SAN FRANCISCO	8,361	1,772	141	11	2,545	667	74	3,116	35
SAN JOAQUIN	10,162	4,750	200	39	1,291	676	44	3,113	49
SAN LUIS OBISPO	2,368	732	37	7	75	12	8	1,484	13
SAN MATEO	10,091	3,281	156	20	2,396	215	208	3,719	96
SANTA BARBARA	5,698	3,411	71	22	220	86	13	1,836	39
SANTA CLARA	27,060	9,420	268	56	8,921	484	122	7,227	562
SANTA CRUZ	3,334	1,735	34	5	90	19	1	1,380	70
SHASTA	1,963	191	33	63	69	16	4	1,584	3
SIERRA	30	-	-	-	-	-	-	30	-
SISKIYOU	411	67	9	17	6	5	-	302	5
SOLANO	5,851	1,771	193	18	815	759	70	2,202	23
SONOMA	5,679	2,099	82	38	272	75	14	3,067	32
STANISLAUS	7,929	4,040	161	32	344	151	39	3,064	98
SUTTER	1,263	459	9	10	180	20	3	579	3
TEHAMA	711	212	8	12	4	3	-	472	-
TRINITY	106	7	6	4	1	-	-	88	-
TULARE	7,419	5,205	28	53	176	76	5	1,844	32
TUOLUMNE	442	57	12	5	4	2	1	361	-
VENTURA	11,606	5,924	133	26	668	154	21	4,236	444
YOLO	2,384	1,004	28	11	225	45	14	1,046	11
YUBA	1,129	292	20	15	101	40	7	654	-

- Represents zero events.

¹ The race/ethnic groups in this table provide a mutually exclusive list with Hispanic, 2 or more race groups, and single races.

American Indian includes Eskimo and Aleut, Pacific Islander includes Hawaiian.

These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

² City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-34. LIVE BIRTHS TO UNMARRIED WOMEN BY RACE/ETHNIC GROUP¹ OF MOTHER, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2002 (By Place of Residence)

COUNTY	TOTAL	RACE/ETHNIC GROUP OF MOTHER							
		HISPANIC	NON-HISPANIC						
			2 OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER	WHITE/ OTHER	UNKNOWN
CALIFORNIA	174,637	111,076	2,754	1,015	7,076	18,778	707	32,144	1,087
ALAMEDA	5,778	2,238	132	22	516	1,823	49	946	52
Berkeley ²	214	40	7	1	4	105	-	54	3
ALPINE	5	-	-	4	-	-	-	1	-
AMADOR	64	11	2	5	-	-	1	45	-
BUTTE	782	169	25	22	25	35	1	503	2
CALAVERAS	85	11	1	3	-	-	-	70	-
COLUSA	89	58	2	1	-	-	-	27	1
CONTRA COSTA	3,426	1,373	94	18	180	778	25	827	131
DEL NORTE	138	28	5	22	2	-	-	81	-
EL DORADO	422	100	9	5	4	4	-	299	1
FRESNO	6,311	4,347	62	63	309	574	4	942	10
GLENN	134	60	4	-	7	1	-	62	-
HUMBOLDT	608	71	36	78	8	5	3	402	5
IMPERIAL	1,039	923	-	17	3	17	2	75	2
INYO	69	25	8	10	-	-	-	26	-
KERN	5,253	3,283	50	23	62	494	4	1,336	1
KINGS	917	622	11	10	13	51	1	209	-
LAKE	288	69	12	20	1	6	-	180	-
LASSEN	45	8	2	1	-	-	-	34	-
LOS ANGELES	57,445	42,782	538	88	1,747	7,566	189	4,371	164
Long Beach ²	3,439	1,956	45	5	306	709	57	350	11
Pasadena ²	541	341	9	-	15	128	-	45	3
MADERA	935	693	8	5	1	34	-	193	1
MARIN	478	225	12	3	21	33	2	180	2
MARIPOSA	28	3	1	-	-	1	-	23	-
MENDOCINO	431	132	13	52	2	2	-	226	4
MERCED	1,607	1,110	36	2	35	75	2	345	2
MODOC	15	1	1	1	-	-	-	12	-
MONO	21	8	-	2	-	-	-	11	-
MONTEREY	2,602	2,175	46	3	52	64	9	246	7
NAPA	352	203	9	1	9	6	2	120	2
NEVADA	238	50	7	1	1	-	-	179	-
ORANGE	11,821	8,854	125	20	543	204	45	1,982	48
PLACER	603	167	25	7	12	4	2	384	2
PLUMAS	45	5	1	2	-	1	-	36	-
RIVERSIDE	9,564	6,086	146	70	159	779	23	2,259	42
SACRAMENTO	6,363	1,993	251	52	570	1,314	54	2,097	32
SAN BENITO	275	226	1	-	4	1	-	43	-
SAN BERNARDINO	11,818	7,008	166	54	171	1,699	39	2,626	55
SAN DIEGO	12,211	7,375	266	98	576	1,112	90	2,502	192
SAN FRANCISCO	2,054	786	63	4	334	494	29	341	3
SAN JOAQUIN	3,779	1,952	78	21	375	445	10	889	9
SAN LUIS OBISPO	661	274	17	5	5	3	2	353	2
SAN MATEO	2,030	1,238	44	8	258	131	37	298	16
SANTA BARBARA	1,717	1,278	27	10	30	35	3	329	5
SANTA CLARA	5,928	4,122	85	18	547	198	31	843	84
SANTA CRUZ	1,095	763	13	1	14	8	-	273	23
SHASTA	750	87	21	35	33	16	2	554	2
SIERRA	6	-	-	-	-	-	-	6	-
SISKIYOU	166	20	6	12	3	4	-	118	3
SOLANO	1,824	587	86	7	149	457	30	501	7
SONOMA	1,652	819	42	18	39	35	4	686	9
STANISLAUS	2,748	1,562	78	17	88	95	2	889	17
SUTTER	389	182	3	9	9	16	-	169	1
TEHAMA	302	96	5	8	3	1	-	189	-
TRINITY	46	4	2	2	-	-	-	38	-
TULARE	3,223	2,459	19	37	55	50	1	596	6
TUOLUMNE	153	18	4	2	2	1	-	126	-
VENTURA	2,812	1,881	36	3	52	63	7	631	139
YOLO	607	335	10	6	27	22	1	203	3
YUBA	390	121	8	7	20	21	1	212	-

- Represents zero events.

¹ The race/ethnic groups in this table provide a mutually exclusive list with Hispanic, 2 or more race groups, and single races.

American Indian includes Eskimo and Aleut; Pacific Islander includes Hawaiian.

These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

² City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-35. LIVE BIRTHS BY RACE¹ OF MOTHER, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2002 (By Place of Residence)

COUNTY	Total	RACE OF MOTHER																				
		2 or More Race Groups	American Indian	Black	Cambodian	Chinese	Eskimo/Aleut	Filipino	Guamanian	Hawaiian	Hmong	Indian (India)	Japanese	Korean	Laotian	Samoan	Thai	Vietnamese	White/Other	Other Asian	Other Pacific Islander	Not Stated
CALIFORNIA	529,245	9,793	2,484	30,425	1,600	12,584	10	14,774	272	281	1,619	7,998	2,765	4,553	961	755	698	8,796	420,015	3,618	1,188	4,206
ALAMEDA	21,802	499	57	2,843	79	1,626	1	1,209	15	21	8	1,418	159	244	40	30	27	580	12,189	287	159	311
Berkeley ²	900	33	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	8	603	9	-	10
ALPINE	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AMADOR	260	5	11	-	48	3	9	11	-	1	-	-	-	-	-	-	-	5	1,981	10	4	6
BUTTE	2,268	70	40	48	11	-	-	2	-	56	11	-	2	8	1	1	-	-	-	-	-	-
CALAVERAS	338	5	9	3	-	-	1	-	-	-	3	-	-	1	-	-	-	-	-	-	1	1
COLUSA	307	5	7	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-	289	-	2	1
CONTRA COSTA	13,315	278	46	1,251	11	304	-	587	10	13	2	240	76	92	50	13	21	114	9,456	138	47	566
DEL NORTE	288	9	38	-	1	2	-	-	5	-	-	-	-	-	-	-	-	-	233	-	-	-
ELDORADO	1,765	45	10	6	-	9	28	-	-	10	6	2	-	-	-	-	-	1	6	1,628	2	2
FRESNO	14,766	196	131	834	103	42	-	101	5	2	563	148	28	25	129	3	19	48	12,306	41	7	35
GLENN	408	8	2	-	-	-	-	-	-	3	1	-	-	6	1	-	-	-	384	2	-	-
HUMBOLDT	1,420	66	131	8	-	3	4	-	2	11	1	1	-	6	1	-	-	1,166	1	3	14	
IMPERIAL	2,662	3	25	24	-	7	-	10	1	-	5	2	6	-	-	-	-	3	2,565	5	1	4
INYO	173	17	14	-	-	1	-	-	1	-	1	-	-	-	-	-	-	1	139	-	-	-
KERN	12,211	186	67	669	14	25	-	213	4	6	1	88	8	22	14	6	2	15	10,833	19	6	13
KINGS	2,311	37	34	112	4	1	-	53	2	4	3	4	1	1	1	1	-	-	2,045	4	1	2
LAKE	636	36	33	11	-	4	-	-	2	-	1	2	-	-	-	-	-	545	-	2	-	
LASSEN	301	7	12	3	-	-	-	5	-	-	1	-	-	-	-	-	-	270	1	2	-	
LOS ANGELES	151,167	2,273	287	11,772	555	3,806	-	3,863	31	51	7	973	920	2,248	56	292	279	1,395	120,643	1,027	178	512
Long Beach ²	7,913	140	13	1,058	322	32	-	317	5	11	5	20	28	22	13	38	38	66	5,615	50	19	28
Pasadena ²	2,173	42	8	223	-	80	-	68	-	1	1	-	-	55	-	-	-	5	19	1,570	23	1
MADERA	2,147	19	18	46	-	-	-	7	33	-	1	2	7	1	1	-	-	1	1	2,039	-	4
MARIN	2,772	34	4	58	1	49	-	-	1	-	-	-	32	15	24	-	-	1	3	2,449	15	6
MARIPOSA	130	4	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	1,119	-	-	2	
MENDOCINO	1,078	25	3	72	3	8	-	8	-	2	1	2	-	1	-	-	-	947	-	1	14	
MERCED	4,030	115	8	124	3	8	-	21	3	2	-	87	39	5	2	8	1	3	2	3,566	24	2
MODOC	67	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63	-	-	-	
MONO	138	4	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	128	-	-	-	
MONTEREY	7,119	103	29	107	2	23	-	163	4	1	1	24	18	32	4	1	1	41	6,512	12	16	24
NAPA	1,571	25	3	14	-	3	-	31	1	2	-	10	5	4	1	1	1	3	1,452	4	4	7
NEVADA	823	18	3	-	-	1	-	6	1	1	-	1	1	-	-	-	-	783	5	2	-	
ORANGE	44,796	613	88	484	104	790	-	913	18	30	17	522	698	62	55	48	55	2,521	36,142	372	64	298
PLACER	3,484	96	15	24	2	37	-	45	2	1	1	35	25	9	-	-	1	16	3,150	10	4	11
PLUMAS	183	2	3	1	-	-	-	-	8	4	421	7	21	43	75	39	25	20	136	176	-	-
RIVERSIDE	26,691	505	184	1,380	29	88	-	413	19	11	490	399	81	67	125	28	48	374	23,384	85	33	107
SACRAMENTO	19,243	672	127	1,986	25	413	-	443	19	7	13	21	92	43	76	11	6	116	7,700	86	18	49
SAN BENITO	920	6	2	7	1	5	-	8	-	1	1	3	1	1	-	-	2	2	7,200	1,752	10	2
SAN BERNARDINO	29,696	603	130	2,664	64	203	1	448	18	15	5	121	50	94	11	39	16	178	24,698	185	49	104
SAN DIEGO	43,951	923	248	2,354	107	509	1,815	57	44	26	263	272	210	137	84	64	655	35,354	223	103	503	
SAN FRANCISCO	8,361	187	19	671	22	1,493	-	496	3	1	-	83	101	98	4	48	21	147	4,826	84	22	35
SAN JOAQUIN	10,162	320	49	686	233	65	-	387	9	9	166	16	17	76	11	6	116	7,700	86	18	49	
SAN LUIS OBISPO	2,368	51	50	10	13	10	-	31	1	3	9	6	10	-	2	2	2	7,200	1,752	10	2	
SAN MATHEO	10,091	204	21	217	9	686	1	945	2	9	-	354	109	86	3	42	12	52	6,944	144	155	96
SANTA BARBARA	5,698	94	38	92	3	38	88	4	1	12	19	14	2,298	297	343	36	30	44	2,180	1,800	1,102	9
SANTA CLARA	27,060	365	75	492	104	2,032	1,239	19	15	7	16	15	7	16	15	6	1	1	3,102	9	1	70
SANTA CRUZ	3,334	42	8	19	-	-	-	-	-	26	-	-	2	3	6	1	3	12	-	-	3	
SHASTA	1,963	47	72	16	2	2	-	11	-	-	-	-	-	-	-	-	19	-	-	1,028	17	
SIERRA	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	-	-
SISKIYOU	411	9	17	5	-	-	-	2	-	599	27	-	-	-	-	-	-	1	-	-	-	
SOLANO	5,851	269	21	771	3	42	1	-	-	-	-	-	-	-	-	-	-	16	13	5	32	
SONOMA	5,679	43	46	162	82	19	1	496	1,496	41	56	15	14	2	4	28	33	1,123	23	8	33	
STANISLAUS	7,929	244	46	10	20	1	2	5	-	5	144	2	3	-	-	-	7	25	6,986	3	25	98
SUTTER	1,263	19	13	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1,028	17	1	3
TEHAMA	711	11	13	3	-	-	-	-	-	-	-	-	-	-	-	-	-	680	3	-	-	
TRINITY	106	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95	-	-	-	
TUOLUMNE	7,419	39	62	83	2	7	-	47	-	1	21	18	4	2	-	-	1	5	7,021	16	4	32
VENTURA	442	17	7	100	2	100	-	-	1	5	97	1	-	-	-	-	411	2	1	-	-	
YOLO	11,606	166	40	160	2	100	1	48	6	33	-	40	3	6	9	17	9	10,088	55	10	445	
YUBA	2,384	43	16	48	6	48	1	40	1	11	-	74	3	4	1	-	-	2,025	50	13	11	
	1,129	29	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	937	3	6	-	

- Represents zero events.

¹ The list of races in this table is compiled by identifying mothers reporting 2 or more race groups before tabulating single races. This list of races is not comparable with races used in Vital Statistics of California reports prior to 2000. See Chapter 6.² City Health Department numbers are included in their respective county totals.

TABLE 2-36. LIVE BIRTHS BY MOTHER'S EDUCATION, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2002
(By Place of Residence)

COUNTY	TOTAL BIRTHS	MOTHER'S EDUCATION IN YEARS COMPLETED								
		NONE	1 - 3 YEARS	4 - 6 YEARS	7 - 9 YEARS	10 - 11 YEARS	12 YEARS	13 - 15 YEARS	16 YEARS & OVER	UNKNOWN
CALIFORNIA	529,245	2,059	6,546	38,040	46,749	55,871	148,094	100,720	119,759	11,407
ALAMEDA	21,802	43	231	964	1,298	1,486	4,913	4,054	7,604	1,209
Berkeley ¹	900	2	1	17	10	29	96	126	510	109
ALPINE	11	-	-	-	-	3	2	2	4	-
AMADOR	260	-	-	6	7	28	115	62	41	1
BUTTE	2,268	9	14	57	91	283	750	557	500	7
CALAVERAS	338	-	1	3	9	36	155	76	56	2
COLUSA	307	3	8	48	30	36	97	53	31	1
CONTRA COSTA	13,315	28	102	585	690	864	3,167	2,523	4,279	1,077
DEL NORTE	288	1	1	13	19	68	125	45	16	-
EL DORADO	1,765	1	9	49	52	130	510	462	543	9
FRESNO	14,766	181	344	1,331	1,389	2,374	4,294	2,884	1,887	82
GLENN	408	3	5	41	44	60	121	97	36	1
HUMBOLDT	1,420	1	-	45	47	175	478	336	299	39
IMPERIAL	2,662	-	6	34	249	351	787	529	293	413
INYO	173	-	2	8	13	23	68	38	21	-
KERN	12,211	48	150	753	784	1,964	4,575	2,059	1,127	751
KINGS	2,311	6	25	151	177	355	889	481	223	4
LAKE	636	-	1	35	30	102	265	146	46	11
LASSEN	301	-	-	4	5	19	146	84	24	19
LOS ANGELES	151,167	437	2,164	13,563	17,422	17,384	42,252	25,737	29,637	2,571
Long Beach ¹	7,913	37	123	684	898	1,013	2,215	1,558	1,286	99
Pasadena ¹	2,173	2	18	100	132	171	399	334	854	163
MADERA	2,147	69	124	309	212	254	650	330	189	10
MARIN	2,772	39	43	176	110	63	324	382	1,621	14
MARIPOSA	130	-	-	3	2	8	49	43	23	2
MENDOCINO	1,078	6	17	74	47	99	438	232	123	42
MERCED	4,030	43	87	480	374	496	1,456	760	326	8
MODOC	67	-	1	1	-	9	28	16	11	1
MONO	138	1	2	19	15	9	31	26	32	3
MONTEREY	7,119	94	217	1,180	1,054	766	1,661	1,168	952	27
NAPA	1,571	8	20	197	140	116	381	328	346	35
NEVADA	823	-	3	22	30	63	214	214	273	4
ORANGE	44,796	156	601	3,772	4,868	3,703	10,640	7,958	12,528	570
PLACER	3,484	6	8	78	68	156	948	879	1,322	19
PLUMAS	183	-	-	-	8	13	88	41	33	-
RIVERSIDE	26,691	70	275	1,603	2,346	3,596	9,213	5,617	3,484	487
SACRAMENTO	19,243	56	120	622	912	2,035	6,093	4,597	4,475	333
SAN BENITO	920	3	12	89	91	100	261	213	149	2
SAN BERNARDINO	29,696	53	216	1,550	2,439	4,326	10,427	6,305	3,670	710
SAN DIEGO	43,951	98	326	2,050	3,460	3,910	12,464	9,266	11,604	773
SAN FRANCISCO	8,361	32	72	296	452	527	1,512	1,380	4,047	43
SAN JOAQUIN	10,162	70	137	662	791	1,451	3,459	2,188	1,232	172
SAN LUIS OBISPO	2,368	6	23	116	135	200	687	523	632	46
SAN MATEO	10,091	95	83	614	558	495	1,870	1,741	4,580	55
SANTA BARBARA	5,698	46	156	735	541	511	1,479	968	1,189	73
SANTA CLARA	27,060	106	198	1,665	1,924	1,757	5,192	4,771	10,939	508
SANTA CRUZ	3,334	13	67	417	349	255	688	562	894	89
SHASTA	1,963	2	1	13	59	303	686	565	328	6
SIERRA	30	-	-	-	-	2	12	11	5	-
SISKIYOU	411	1	1	14	17	56	157	108	52	5
SOLANO	5,851	9	29	256	259	508	1,781	1,691	1,254	64
SONOMA	5,679	21	83	469	487	490	1,406	1,158	1,423	142
STANISLAUS	7,929	29	101	593	623	1,079	2,876	1,578	955	95
SUTTER	1,263	4	12	86	107	178	420	277	175	4
TEHAMA	711	5	10	42	53	113	258	164	65	1
TRINITY	106	-	-	-	1	14	49	30	12	-
TULARE	7,419	56	237	986	707	1,125	2,292	1,409	554	53
TUOLUMNE	442	-	1	2	8	59	218	101	53	-
VENTURA	11,606	60	168	953	909	846	2,925	2,229	2,725	791
YOLO	2,384	22	22	147	180	227	615	428	721	22
YUBA	1,129	19	10	59	57	212	437	238	96	1

- Represents zero events.

¹ City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-37. LIVE BIRTHS BY FATHER'S EDUCATION, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2002
(By Place of Residence)

COUNTY	TOTAL BIRTHS	FATHER'S EDUCATION IN YEARS COMPLETED								
		NONE	1 - 3 YEARS	4 - 6 YEARS	7 - 9 YEARS	10 - 11 YEARS	12 YEARS	13 - 15 YEARS	16 YEARS & OVER	UNKNOWN
CALIFORNIA	529,245	2,851	6,944	38,548	42,206	41,500	145,005	83,646	119,465	49,080
ALAMEDA	21,802	64	240	948	1,100	1,051	5,147	3,298	7,548	2,406
Berkeley ¹	900	2	3	13	10	14	123	100	472	163
ALPINE	11	-	-	-	-	2	-	3	3	3
AMADOR	260	-	2	2	9	25	102	68	39	13
BUTTE	2,268	7	20	74	88	201	717	479	478	204
CALAVERAS	338	-	2	3	4	29	157	65	45	33
COLUSA	307	6	11	57	30	25	95	37	32	14
CONTRA COSTA	13,315	17	89	577	657	610	3,106	2,145	4,284	1,830
DEL NORTE	288	1	-	15	18	56	99	41	17	41
EL DORADO	1,765	2	10	52	57	81	553	381	524	105
FRESNO	14,766	152	433	1,437	1,111	1,694	3,997	2,271	1,798	1,873
GLENN	408	-	8	52	36	42	110	76	40	44
HUMBOLDT	1,420	3	7	50	37	124	482	308	247	162
IMPERIAL	2,662	5	8	49	178	269	781	461	273	638
INYO	173	-	-	16	9	20	71	25	19	13
KERN	12,211	85	164	778	550	1,473	4,358	1,621	1,098	2,084
KINGS	2,311	9	33	191	144	253	936	372	201	172
LAKE	636	2	5	25	28	78	264	125	43	66
LASSEN	301	-	2	4	3	20	138	67	25	42
LOS ANGELES	151,167	433	2,095	13,343	15,902	12,959	40,894	21,370	29,326	14,845
Long Beach ¹	7,913	24	101	664	796	709	2,080	1,230	1,254	1,055
Pasadena ¹	2,173	3	23	121	131	107	369	251	863	305
MADERA	2,147	35	132	338	198	185	657	225	155	222
MARIN	2,772	122	36	154	115	80	320	325	1,584	36
MARIPOSA	130	-	-	3	3	12	53	31	19	9
MENDOCINO	1,078	7	31	65	54	78	435	198	101	109
MERCED	4,030	52	112	463	373	406	1,360	606	272	386
MODOC	67	-	-	4	3	6	18	19	8	9
MONO	138	1	1	17	16	3	41	20	22	17
MONTEREY	7,119	81	240	1,180	1,017	570	1,592	948	919	572
NAPA	1,571	6	27	185	163	114	387	267	342	80
NEVADA	823	-	3	23	22	55	225	188	252	55
ORANGE	44,796	144	629	3,803	4,555	2,763	10,081	6,840	13,161	2,820
PLACER	3,484	1	17	89	79	110	929	766	1,358	135
PLUMAS	183	-	-	1	3	8	75	38	32	26
RIVERSIDE	26,691	69	336	1,824	2,137	2,746	8,869	4,791	3,397	2,522
SACRAMENTO	19,243	56	116	623	755	1,494	5,825	3,910	4,489	1,975
SAN BENITO	920	7	19	88	79	82	277	167	147	54
SAN BERNARDINO	29,696	42	250	1,611	2,122	3,185	10,429	5,109	3,584	3,364
SAN DIEGO	43,951	90	302	2,039	2,944	2,815	12,941	7,974	11,528	3,318
SAN FRANCISCO	8,361	132	67	289	381	396	1,551	1,154	3,881	510
SAN JOAQUIN	10,162	311	143	698	683	1,072	3,479	1,727	1,196	853
SAN LUIS OBISPO	2,368	6	27	124	131	165	709	419	619	168
SAN MATEO	10,091	418	94	576	515	463	1,868	1,451	4,503	203
SANTA BARBARA	5,698	35	160	769	523	408	1,447	759	1,143	454
SANTA CLARA	27,060	147	188	1,563	1,835	1,151	4,746	3,714	11,885	1,831
SANTA CRUZ	3,334	16	68	455	297	214	745	449	795	295
SHASTA	1,963	8	6	11	35	202	734	441	320	206
SIERRA	30	-	-	-	-	3	14	8	4	1
SISKIYOU	411	1	5	11	6	40	174	85	45	44
SOLANO	5,851	16	33	290	250	362	1,794	1,569	1,124	413
SONOMA	5,679	28	81	517	465	361	1,472	976	1,321	458
STANISLAUS	7,929	29	128	624	580	838	2,825	1,301	853	751
SUTTER	1,263	4	19	89	104	129	418	258	174	68
TEHAMA	711	4	13	44	52	85	263	118	64	68
TRINITY	106	-	-	-	3	13	45	23	14	8
TULARE	7,419	88	317	1,081	631	835	2,120	1,053	515	779
TUOLUMNE	442	-	1	1	12	44	216	75	64	29
VENTURA	11,606	56	168	1,003	860	650	2,812	1,875	2,750	1,432
YOLO	2,384	43	27	166	168	186	620	341	699	134
YUBA	1,129	10	19	54	76	159	432	215	86	78

- Represents zero events.

¹ City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Birth Records.

TABLE 2-38. LIVE BIRTHS BY MONTH OF BIRTH, CALIFORNIA COUNTIES AND SELECTED CITY/HEALTH DEPARTMENTS, 2002 (By Place of Residence)

COUNTY	TOTAL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
CALIFORNIA	529,245	43,258	39,325	43,204	41,915	44,543	42,661	45,788	46,983	47,326	46,669	43,390	44,183
ALAMEDA	21,802	1,824	1,814	1,704	1,874	1,811	1,883	1,962	1,868	1,842	1,777	1,781	1,781
Berkley ¹	900	76	80	73	82	74	64	79	68	75	76	69	69
ALPINE	11	1	1	2	-	1	-	1	1	3	-	-	-
AMADOR	260	20	15	25	21	30	20	24	24	28	17	23	23
BUTTE	2,268	182	175	208	204	160	183	192	194	205	209	164	192
CALAVERAS	338	22	26	27	22	25	32	31	23	30	45	21	34
COLUSA	307	24	31	17	20	22	22	29	29	30	28	26	26
CONTRA COSTA	13,315	1,130	1,022	1,112	1,089	1,057	1,113	1,189	1,175	1,158	1,160	1,076	1,034
DEL NORTE	288	25	29	20	17	18	33	36	28	22	22	20	21
EL DORADO	1,765	122	127	156	150	156	153	159	162	158	128	156	156
FRESNO	14,766	1,174	1,055	1,220	1,159	1,278	1,145	1,244	1,312	1,337	1,363	1,201	1,278
GLENN	408	30	33	38	33	30	29	40	38	39	29	36	33
HUMBOLDT	1,420	114	112	107	113	130	109	114	131	120	111	126	133
IMPERIAL	2,662	213	182	193	160	196	218	229	263	281	229	249	249
INYO	173	15	14	15	14	16	15	11	12	12	17	16	16
KERN	12,211	1,006	901	991	913	995	989	1,064	1,135	1,073	1,096	995	1,043
KINGS	2,311	184	163	166	193	202	195	189	180	221	202	214	202
LAKE	636	58	41	44	46	60	53	57	50	52	77	48	50
LASSEN	301	22	21	25	19	28	26	28	27	30	24	25	26
LOS ANGELES ¹	151,167	12,540	11,181	12,156	11,965	12,461	12,044	13,073	13,399	13,769	13,417	12,562	12,600
Long Beach ¹	7,913	703	616	657	654	683	661	627	674	684	684	613	619
Pasadena ¹	2,173	163	142	172	173	188	176	187	213	213	184	179	183
MADERA	2,147	181	166	166	165	185	147	197	175	208	206	171	180
MARIN	2,772	186	219	252	241	269	227	259	241	201	260	199	218
MARIPOSA	130	13	5	11	8	12	8	6	13	14	11	13	16
MENDOCINO	1,078	85	75	90	80	89	84	89	119	90	95	88	94
MERCED	4,030	331	303	315	322	331	308	371	368	381	342	306	352
MODOC	67	4	4	7	5	4	3	11	5	5	9	4	6
MONO	138	8	11	12	8	5	18	14	16	13	12	10	11
MONTEREY	7,119	522	536	628	593	601	596	598	642	652	622	548	581
NAPA	1,571	128	131	134	121	120	124	138	151	149	136	119	120
NEVADA	823	55	52	74	56	69	71	64	88	94	71	60	69
ORANGE	44,796	3,701	3,455	3,590	3,663	3,794	3,651	3,757	3,902	3,978	3,882	3,714	3,809
PLACER	3,484	261	253	279	300	325	288	312	291	305	298	270	302
PLUMAS	183	8	10	15	15	20	14	23	15	16	15	18	14
RIVERSIDE	26,691	2,144	1,854	2,142	2,031	2,148	2,094	2,373	2,376	2,410	2,556	2,199	2,364
SACRAMENTO	19,243	1,590	1,462	1,597	1,594	1,708	1,587	1,607	1,663	1,671	1,643	1,549	1,572
SAN BENITO	920	78	73	72	85	71	78	83	72	74	87	76	74
SAN BERNARDINO	29,696	2,414	2,188	2,338	2,283	2,503	2,406	2,561	2,742	2,706	2,587	2,417	2,551
SAN DIEGO	43,951	3,576	3,208	3,632	3,452	3,707	3,617	3,812	3,876	3,969	3,880	3,851	3,571
SAN FRANCISCO	8,361	614	764	645	722	825	746	769	744	727	702	736	707
SAN JOAQUIN	847	794	835	894	894	853	869	915	880	837	770	836	836
SAN LUIS OBISPO	10,162	181	161	184	177	212	174	209	239	230	199	206	196
SAN MATEO	10,091	828	802	848	828	834	844	866	874	887	903	798	779
SAN MATEO	5,698	466	440	493	493	452	479	486	484	484	514	454	485
SANTA BARBARA	27,060	2,155	2,078	2,313	2,176	2,250	2,224	2,292	2,395	2,388	2,388	2,361	2,232
SANTA CLARA	3,334	311	262	278	289	297	272	272	280	273	279	279	242
SANTA CRUZ	1,963	164	133	191	167	189	148	163	171	159	156	162	160
SHASTA	30	2	3	3	3	5	1	2	4	2	6	-	-
SIERRA	411	33	23	33	46	35	32	39	35	31	32	32	37
SISKIYOU	5,851	487	438	480	475	539	446	512	507	493	485	496	493
SOLANO	5,679	465	400	506	476	493	463	500	537	469	501	441	428
SONOMA	7,929	671	544	642	615	716	642	709	670	703	682	651	684
STANISLAUS	1,263	106	75	111	89	123	83	109	122	113	117	110	105
SUTTER	711	53	59	61	59	72	52	60	56	70	63	56	50
TEHAMA	106	11	9	10	3	8	5	14	7	10	15	7	7
TRINITY	7,419	563	515	594	556	633	558	630	702	648	687	656	677
TUOLUMNE	442	31	33	34	44	36	41	38	39	45	35	33	38
VENTURA	11,606	928	892	891	954	1,000	951	1,088	999	1,006	920	945	185
YOLO	2,384	182	177	211	178	187	213	210	212	232	207	190	185
YUBA	1,129	97	79	86	86	86	76	113	112	110	96	109	96

- Represents zero events.

¹ City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Birth Records.

NOTES

3. FETAL MORTALITY

	Page
SUMMARY OF FETAL MORTALITY	78

TABLES

3-1 Number, Ratio, and Percent Distribution of Fetal Deaths by Age of Mother, California, 2002.....	80
3-2 Fetal Deaths by Age and Race/Ethnic Group of Mother, California, 2002	81
3-3 Fetal Deaths by Race and Age of Mother, California, 2002	82
3-4 Number and Percent of Fetal Deaths by Weeks of Gestation, California, 2002	83
3-5 Fetal Deaths by Age of Mother, California Counties and Selected City Health Departments, 2002	84
3-6 Fetal Deaths by Year of Death, California Counties and Selected City Health Departments, 1992-2002	85
3-7 Fetal Deaths and Mortality Ratios from Selected Causes of Death, California, 2002.....	86

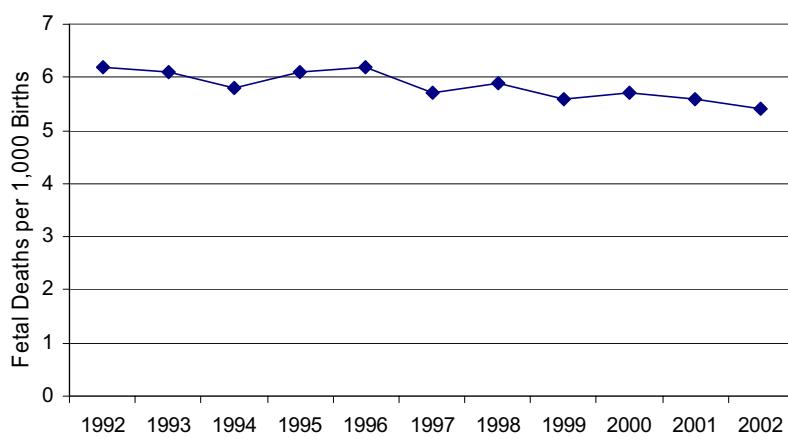
SUMMARY OF FETAL MORTALITY

A fetal death is a death prior to the complete expulsion or extraction from its mother of a product of conception (irrespective of the duration of pregnancy); the death is indicated by the fact that after such separation, the fetus does not breathe or show any evidence of life. For statistical purposes, fetal deaths are classified according to gestational age. A death that occurs at 20 weeks or more gestation constitutes a fetal death. In 2002 there were 2,870 fetal deaths of 20 weeks or more gestation to California residents. This was a 2.8 percent decrease from the 2,952 fetal deaths reported in 2001 and a 22.5 percent decrease from the 3,704 fetal deaths in 1992 (Table 1-1).

Fetal Mortality Ratios

A fetal mortality ratio is the number of fetal deaths of 20 weeks or more gestation divided by the number of live births. In 2002 the fetal mortality ratio in California decreased to 5.4 fetal deaths per 1,000 live births, down 3.6 percent from the 5.6 ratio in 2001. The 2002 ratio was down 5.3 percent over the five-year period from the 5.7 ratio in 1997 and down 12.9 percent over the 10-year period from the 6.2 ratio in 1992.

Fetal Mortality Ratios, California 1992-2002



Among the 38 counties with at least 5 fetal deaths and at least 1,000 live births in 2002, the fetal mortality ratio ranged from a low of 2.5 in Shasta County to a high of 8.4 in Merced County (Table 1-2).

Fetal mortality ratios tended to be higher for the youngest and oldest mothers and lowest for mothers in their 20s and early 30s (Table 3-1).

Race/Ethnicity

There were 1,374 fetal deaths for Hispanic women in 2002, 48.6 percent of all fetal deaths. There were 786 fetal deaths for White/Other women, 27.8 percent of all fetal deaths. There were 365 fetal deaths for Black women and 293 for Asian/Pacific Islander women, 12.9 and 10.4 percent, respectively, of all fetal deaths in 2002 (Table 3-2).

Race (Hispanic origin is included in all races)

There were 2,145 fetal deaths for White women in 2002, 75.8 percent of all fetal deaths. There were 370 fetal deaths for Black women, 13.1 percent of fetal deaths. There were 71 fetal deaths for Filipino women, 2.5 percent of fetal deaths (Table 3-3).

Gestation

In 2002, 1,186 or 45.2 percent of fetal deaths (excluding fetal deaths of unknown gestation) were less than 28 weeks gestation. Late fetal deaths (fetal deaths of 28 weeks or more gestation) accounted for 1,439 deaths or 54.8 percent (Table 3-4).

Cause of Death

The most common rankable cause of fetal death was “fetus affected by complications of placenta, cord, and membranes” (31.8 percent of fetal deaths), followed by “fetal death of unspecified cause” (24.9 percent) and “congenital malformations, deformations and chromosomal abnormalities (10.3 percent) (Table 3-7).

TABLE 3-1. NUMBER, RATIO, AND PERCENT DISTRIBUTION OF FETAL DEATHS BY AGE OF MOTHER, CALIFORNIA, 2002 (By Place of Residence)

AGE OF MOTHER	FETAL DEATHS	MORTALITY RATIO ¹	PERCENT
TOTAL	2,870	5.4	100.0
UNDER 15	14	18.8	0.5
15-19	291	5.8	10.1
15	16	6.9	0.6
16	30	5.6	1.0
17	52	5.8	1.8
18	89	6.4	3.1
19	104	5.3	3.6
20-24	600	4.9	20.9
25-29	641	4.7	22.3
30-34	676	5.2	23.6
35-39	434	6.2	15.1
40-44	158	9.5	5.5
45 AND OVER	20	17.0	0.7
NOT STATED	36	-	1.3

¹ Fetal mortality ratios are per 1,000 live births of each age group.

- Ratios not calculated for "Not Stated."

Note: Includes only those fetal deaths of 20 weeks or more gestation.
Percents are rounded independently and may not add to totals.

Source: State of California, Department of Health Services, Fetal Death Records.

TABLE 3-2. FETAL DEATHS BY AGE AND RACE/ETHNIC GROUP¹ OF MOTHER, CALIFORNIA, 2002 (By Place of Residence)

AGE OF MOTHER	TOTAL ²	HISPANIC	NON-HISPANIC			
			ASIAN/ PACIFIC ISLANDER	BLACK	WHITE/ OTHER	UNKNOWN
TOTAL	2,870	1,374	293	365	786	41
UNDER 15	14	10	1	1	1	1
15-19	291	154	23	54	59	-
15	16	10	1	3	2	-
16	30	20	1	4	5	-
17	52	25	8	11	8	-
18	89	45	4	18	22	-
19	104	54	9	18	22	-
20-24	600	348	27	89	129	2
25-29	641	323	84	71	161	2
30-34	676	294	82	79	211	6
35-39	434	169	56	52	151	5
40-44	158	58	19	13	66	2
45 AND OVER	20	10	1	2	7	-
NOT STATED	36	8	-	4	1	23

- Represents zero events.

¹ Asian/Pacific Islander, Black, White/Other, and Unknown exclude Hispanic ethnicity.
Hispanic includes any race category.

² Total also includes 11 fetal deaths to American Indian/Eskimo/Aleut.

Note: Includes only those fetal deaths of 20 weeks or more gestation.

Source: State of California, Department of Health Services, Fetal Death Records.

TABLE 3-3. FETAL DEATHS BY RACE¹ AND AGE OF MOTHER, CALIFORNIA, 2002 (By Place of Residence)

RACE OF MOTHER	TOTAL	AGE OF MOTHER										NOT STATED			
		UNDER 15	15	16	17	18	19	15-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	
TOTAL	2,870	14	16	30	52	89	104	291	600	641	676	434	158	20	36
AMERICAN INDIAN	13	-	-	1	-	-	2	3	5	-	4	1	-	-	-
BLACK	370	1	3	4	11	18	18	54	90	73	81	52	13	2	4
CAMBODIAN	8	-	-	-	2	-	1	3	-	2	-	2	1	-	-
CHINESE	48	-	-	-	-	-	-	-	1	10	18	15	4	-	-
FILIPINO	71	-	-	-	1	5	1	7	8	22	16	13	5	-	-
HMONG	10	-	-	1	1	-	1	3	4	-	1	2	-	-	-
INDIAN (INDIA)	50	-	-	1	-	-	1	2	5	21	14	7	1	-	-
JAPANESE	17	-	-	-	-	-	2	2	2	-	6	5	2	-	-
KOREAN	14	-	-	-	-	-	-	-	1	4	7	2	-	-	-
PACIFIC ISLANDER	20	-	1	-	2	-	2	5	1	6	4	2	2	-	-
THAI	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-
VIETNAMESE	38	1	-	-	-	-	-	-	3	14	11	5	3	1	-
WHITE	2,145	11	12	24	31	65	75	207	473	482	503	320	123	17	9
LAOTIAN	6	-	-	-	1	1	1	3	-	2	1	-	-	-	-
OTHER ASIAN	14	-	-	-	-	-	-	-	2	3	4	3	2	-	-
OTHER	4	-	-	-	2	-	-	-	2	2	-	-	-	-	-
NOT STATED	41	1	-	-	-	-	-	-	2	2	6	5	2	-	23

- Represents zero events.

¹ American Indian includes Eskimo and Aleut. Pacific Islander includes Hawaiian, Guamanian, Samoan, and Other Pacific Islander.

Note: Includes only those fetal deaths of 20 weeks or more gestation.

Source: State of California, Department of Health Services, Fetal Death Records.

TABLE 3-4. NUMBER AND PERCENT OF FETAL DEATHS BY WEEKS OF GESTATION, CALIFORNIA, 2002
 (By Place of Residence)

WEEKS OF GESTATION	FETAL DEATHS	PERCENT	
		ALL FETAL DEATHS	EXCLUDING UNKNOWN GESTATION
TOTAL	2,870	100.0	100.0
20 WEEKS TO UNDER 28 COMPLETED WEEKS	1,186	41.3	45.2
28 WEEKS TO UNDER 32 COMPLETED WEEKS	337	11.7	12.8
32 WEEKS TO UNDER 37 COMPLETED WEEKS	526	18.3	20.0
37 WEEKS TO UNDER 42 COMPLETED WEEKS	509	17.7	19.4
42 WEEKS TO UNDER 53 COMPLETED WEEKS	67	2.3	2.6
NOT STATED ¹	245	8.5	

¹ "Not Stated" includes not only those not stated, but also 22 fetal deaths of 53 weeks or more gestation.
 This category reflects reporting inaccuracies rather than actual gestation periods.

Note: Includes only those fetal deaths of 20 weeks or more gestation.
 Percents are rounded independently and may not add to totals.

Source: State of California, Department of Health Services, Fetal Death Records.

TABLE 3-5. FETAL DEATHS BY AGE OF MOTHER, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2002
(By Place of Residence)

COUNTY	TOTAL	AGE OF MOTHER														
		UNDER		15-19 BY SINGLE YEAR					15-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATED
		15	15	16	17	18	19									
CALIFORNIA	2,870	14	16	30	52	89	104	291	600	641	676	434	158	20	36	
ALAMEDA	134	-	-	-	4	3	5	12	29	33	27	27	6	-	-	
Berkeley ¹	7	-	-	-	-	-	-	-	-	2	-	3	2	-	-	
ALPINE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
AMADOR	3	-	-	-	-	-	-	-	2	-	1	-	-	-	-	
BUTTE	14	-	-	1	-	-	-	1	6	3	4	-	-	-	-	
CALAVERAS	2	-	-	-	-	2	-	2	-	-	-	-	-	-	-	
COLUSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CONTRA COSTA	66	-	-	-	-	2	4	6	16	14	18	10	1	1	-	
DEL NORTE	3	-	-	-	-	-	-	-	1	-	2	-	-	-	-	
EL DORADO	8	-	-	-	-	-	-	-	-	2	3	2	1	-	-	
FRESNO	73	3	1	3	7	2	-	13	17	16	11	10	3	-	-	
GLENN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HUMBOLDT	7	-	-	-	-	-	-	-	3	1	2	1	-	-	-	
IMPERIAL	18	1	-	-	1	-	1	1	7	1	5	2	-	-	1	
INYO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KERN	81	-	2	1	4	3	3	13	25	12	20	7	2	-	2	
KINGS	18	-	-	-	-	1	-	1	4	6	4	1	2	-	-	
LAKE	3	-	-	-	-	-	-	-	1	1	-	1	-	-	-	
LASSEN	3	-	-	-	-	-	1	1	-	2	-	-	-	-	-	
LOS ANGELES	813	4	3	2	6	16	25	52	159	177	200	145	54	6	16	
Long Beach ¹	55	-	1	-	-	1	1	3	13	14	11	12	2	-	-	
Pasadena ¹	19	-	-	-	-	-	1	1	1	3	5	8	1	-	-	
MADERA	16	-	-	-	-	2	2	4	4	3	4	1	-	-	-	
MARIN	14	-	-	-	1	-	-	1	-	6	2	3	2	-	-	
MARIPOSA	2	-	-	-	-	-	-	-	-	1	-	1	-	-	-	
MENDOCINO	7	-	-	-	-	-	-	-	3	1	2	1	-	-	-	
MERCED	34	-	-	1	1	1	1	4	10	8	7	4	-	1	-	
MODOC	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
MONO	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
MONTEREY	36	-	-	-	1	1	3	5	9	11	7	4	-	-	-	
NAPA	11	-	-	-	-	-	-	-	2	5	1	3	-	-	-	
NEVADA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ORANGE	237	3	1	-	5	11	4	21	38	56	58	35	17	7	2	
PLACER	11	1	-	-	-	-	-	-	3	2	2	3	-	-	-	
PLUMAS	3	-	-	-	-	-	-	-	1	1	-	1	-	-	-	
RIVERSIDE	125	-	1	4	3	8	8	24	28	17	24	16	11	2	3	
SACRAMENTO	108	-	2	1	2	6	5	16	29	19	27	9	7	-	1	
SAN BENITO	5	-	-	-	-	-	-	-	2	2	-	1	-	-	-	
SAN BERNARDINO	160	-	1	3	4	4	12	24	43	35	29	23	5	-	1	
SAN DIEGO	207	-	1	2	2	4	12	21	42	48	47	32	11	-	6	
SAN FRANCISCO	61	-	-	1	1	-	-	2	8	11	23	13	3	-	1	
SAN JOAQUIN	66	-	1	2	1	6	3	13	13	13	15	10	2	-	-	
SAN LUIS OBISPO	12	-	-	-	-	-	1	1	2	2	4	2	1	-	-	
SAN MATEO	51	-	-	-	-	2	1	3	2	12	18	11	4	-	1	
SANTA BARBARA	33	-	1	1	2	1	-	5	8	11	3	5	1	-	-	
SANTA CLARA	138	2	-	2	1	1	1	5	17	41	45	21	5	-	2	
SANTA CRUZ	18	-	-	-	-	-	-	-	3	3	7	1	4	-	-	
SHASTA	5	-	-	-	-	2	-	2	2	-	-	1	-	-	-	
SIERRA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SISKIYOU	3	-	-	1	-	-	-	1	1	1	-	-	-	-	-	
SOLANO	43	-	1	-	2	2	2	7	11	8	8	6	3	-	-	
SONOMA	24	-	-	-	2	-	1	3	4	7	5	3	2	-	-	
STANISLAUS	53	-	1	2	1	2	3	9	12	11	15	5	1	-	-	
SUTTER	5	-	-	-	-	-	-	-	2	3	-	-	-	-	-	
TEHAMA	2	-	-	-	-	-	-	-	1	1	-	-	-	-	-	
TRINITY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TULARE	35	-	-	-	1	3	2	6	7	11	8	1	2	-	-	
TUOLUMNE	1	-	-	-	1	-	-	1	-	-	-	-	-	-	-	
VENTURA	71	-	-	3	-	2	3	8	20	11	14	9	6	3	-	
YOLO	16	-	-	-	-	1	2	3	2	6	4	1	-	-	-	
YUBA	9	-	-	-	-	-	-	-	1	4	-	2	2	-	-	

- Represents zero events.

¹ City Health Department numbers are included in their respective county totals.

Note: Includes only those fetal deaths of 20 weeks or more gestation.

Source: State of California, Department of Health Services, Fetal Death Records.

TABLE 3-6. FETAL DEATHS BY YEAR OF DEATH, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 1992-2002 (By Place of Residence)

COUNTY											
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
CALIFORNIA	3,704	3,574	3,299	3,355	3,330	2,996	3,053	2,927	3,046	2,952	2,870
ALAMEDA	153	139	158	138	124	137	131	139	136	151	134
Berkeley ¹	4	4	8	3	2	6	8	3	6	4	7
ALPINE	-	-	-	-	-	-	-	-	-	-	-
AMADOR	5	4	1	-	1	-	5	2	-	1	3
BUTTE	17	33	12	30	15	10	10	17	14	15	14
CALAVERAS	3	4	2	2	3	2	3	2	3	-	2
COLUSA	6	2	6	3	1	1	2	-	2	5	-
CONTRA COSTA	55	90	54	71	69	59	74	76	75	75	66
DEL NORTE	-	2	3	1	1	1	2	1	2	-	3
EL DORADO	8	10	6	6	13	8	13	8	10	14	8
FRESNO	110	93	86	114	108	87	100	94	70	77	73
GLENN	2	3	5	4	4	5	3	1	4	5	-
HUMBOLDT	8	7	9	11	10	11	9	8	8	9	7
IMPERIAL	19	20	11	15	19	17	5	16	15	12	18
INYO	-	1	-	1	2	3	1	-	-	1	-
KERN	85	96	86	77	81	69	76	76	80	94	81
KINGS	16	13	14	13	4	16	11	13	11	9	18
LAKE	6	6	6	5	2	5	1	4	2	5	3
LASSEN	5	1	4	4	1	3	3	1	-	1	3
LOS ANGELES	1,240	1,203	1,153	1,089	1,132	970	923	904	974	876	813
Long Beach ¹	63	83	70	59	65	66	61	56	52	47	55
Pasadena ¹	23	20	7	14	12	10	9	12	10	9	19
MADERA	17	26	17	17	10	12	19	17	20	13	16
MARIN	10	9	7	14	11	1	17	15	17	7	14
MARIPOSA	1	-	1	2	3	1	1	-	1	1	2
MENDOCINO	6	7	9	3	4	5	10	5	7	4	7
MERCED	35	32	22	24	30	21	18	26	28	31	34
MODOC	-	-	2	2	-	-	1	-	-	1	1
MONO	1	-	-	1	-	2	-	-	1	3	1
MONTEREY	52	50	46	43	47	42	43	42	27	36	36
NAPA	7	10	8	15	8	9	8	11	5	6	11
NEVADA	6	5	3	7	3	4	1	4	1	1	-
ORANGE	322	303	264	275	286	254	238	246	254	257	237
PLACER	14	13	16	20	18	11	12	7	14	15	11
PLUMAS	-	1	2	1	3	2	1	1	2	1	3
RIVERSIDE	162	115	129	143	139	124	125	116	147	142	125
SACRAMENTO	121	116	112	95	96	109	121	117	111	113	108
SAN BENITO	4	4	6	8	6	1	7	4	4	6	5
SAN BERNARDINO	201	200	172	170	172	142	183	140	153	158	160
SAN DIEGO	291	245	302	291	265	244	290	242	228	213	207
SAN FRANCISCO	70	59	2	53	48	35	58	35	58	38	61
SAN JOAQUIN	70	65	52	59	51	55	51	56	46	61	66
SAN LUIS OBISPO	16	20	9	10	18	16	16	10	15	12	12
SAN MATEO	55	51	45	44	57	49	43	41	53	46	51
SANTA BARBARA	33	46	30	27	36	29	29	27	32	30	33
SANTA CLARA	144	139	127	135	132	136	111	116	144	125	138
SANTA CRUZ	22	21	14	13	12	17	15	27	19	13	18
SHASTA	9	9	16	14	14	9	12	10	6	7	5
SIERRA	-	-	-	-	-	-	-	-	-	-	-
SISKIYOU	2	7	2	3	2	3	2	-	1	1	3
SOLANO	39	32	33	40	27	27	26	26	40	31	43
SONOMA	34	38	29	30	43	35	32	30	31	31	24
STANISLAUS	52	41	44	33	47	34	43	44	50	52	53
SUTTER	8	9	5	12	9	11	11	8	8	10	5
TEHAMA	3	4	3	4	3	5	6	1	4	6	2
TRINITY	1	-	1	1	1	1	-	-	1	-	-
TULARE	61	60	59	58	44	56	49	56	37	46	35
TUOLUMNE	5	1	2	4	6	2	2	2	2	1	1
VENTURA	66	82	66	80	66	63	59	65	52	63	71
YOLO	18	14	15	12	16	14	14	13	15	14	16
YUBA	8	13	11	8	7	11	7	5	6	7	9

- Represents zero events.

¹ City Health Department numbers are included in their respective county totals.

Note: Includes only those fetal deaths of 20 weeks or more gestation.

Source: State of California, Department of Health Services, Fetal Death Records.

TABLE 3-7. FETAL DEATHS AND MORTALITY RATIOS FROM SELECTED CAUSES OF DEATH, CALIFORNIA, 2002 (By Place of Residence)

ICD CODES (REV. 10)	CAUSE OF DEATH		NUMBER	DEATH RATIO ¹	PERCENT
A00-Y89	TOTAL, ALL CAUSES		2,870	5.4	100.0
P00-P96	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD		2,565	4.8	89.4
P00	FETUS UNRELATED TO PRESENT		107	0.2	3.7
P00.0	PREGNANCY		68	0.1	2.4
P01	MATERNAL HYPERTENSIVE DISORDERS		241	0.5	8.4
P01.1	FETUS UNRELATED TO PRESENT		116	0.2	4.0
P02	PREMATURE RUPTURE OF MEMBRANES		912	1.7	31.8
P02.1	FETUS UNRELATED TO PRESENT		211	0.4	7.4
P02.2	OTHER FORMS OF PLACENTAL SEPARATION & HEMORRHAGE		82	0.2	2.9
P02.5	OTHER & UNSPECIFIED MORPHOLOGICAL & FUNCTIONAL ABNORMALITIES OF PLACENTA		215	0.4	7.5
P02.6	OTHER COMPRESSION OF UMBILICAL CORD		276	0.5	9.6
P07	DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTHWEIGHT, NOT ELSEWHERE CLASSIFIED		293	0.6	10.2
P07.2	EXTREME IMMATURITY		200	0.4	7.0
P07.3	OTHER PRETERM INFANTS		93	0.2	3.2
P20-21	INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA		65	0.1	2.3
P29	CARDIOVASCULAR DISORDERS ORIGINATING IN THE PERINATAL PERIOD		92	0.2	3.2
P29.1	NEONATAL CARDIAC DYSRHYTHMIA		73	0.1	2.5
P70	TRANSITORY ENDOCRINE & METABOLIC DISORDERS SPECIFIC TO FETUS		32	0.1	1.1
P80-P96	OTHER CONDITIONS ORIGINATING IN THE PERINATAL PERIOD		743	1.4	25.9
P95	FETAL DEATH OF UNSPECIFIED CAUSE		716	1.4	24.9
RESIDUAL	OTHER CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD		79	b	2.8
Q00-Q99	CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES		295	0.6	10.3
Q00-Q07	CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM		59	0.1	2.1
Q00.0	ANENCEPHALY		30	0.1	1.0
Q20-Q28	CONGENITAL MALFORMATIONS OF THE CIRCULATORY SYSTEM		25	a	0.9
Q24.9	OF THE HEART, UNSPECIFIED		10	a	0.3
Q60-Q64	CONGENITAL MALFORMATIONS OF THE URINARY SYSTEM		15	a	0.5
Q65-Q79	CONGENITAL MALFORMATIONS & DEFORMATIONS OF THE MUSCULOSKELETAL SYSTEM		14	a	0.5
Q86-Q89	OTHER CONGENITAL MALFORMATIONS		68	0.1	2.4
Q89.7	MULTIPLE CONGENITAL MALFORMATIONS, NOT ELSEWHERE CLASSIFIED		36	0.1	1.3
Q90-Q99	CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED		105	0.2	3.7
Q91.3	EDWARD'S SYNDROME, UNSPECIFIED		41	0.1	1.4
RESIDUAL	OTHER CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES		9	b	0.3
A00-E84	CAUSES NOT SPECIFIC TO PERINATAL PERIOD		10	a	0.3

¹ Fetal death ratios are per 1000 live births.

a Less than 0.05.

b Ratios not calculated for residual categories.

Causes marked with a "#" are rankable as leading causes of fetal death. See NCHS' Instruction Manual Part 9: ICD-10 Cause-of-Death Lists for Tabulating Mortality Statistics (Updated October 2002) at www.cdc.gov/nchs/data/dvs/im9_2002.pdf.

Note: Includes only those fetal deaths of 20 weeks or more gestation. Percents are rounded independently and may not add to totals.

Source: State of California, Department of Health Services, Fetal Death Records.

4. INFANT MORTALITY

	Page
SUMMARY OF INFANT MORTALITY.....	89

TABLES

BIRTH COHORT DATA (Based on 2001 Birth Cohort File)

4-1 Infant, Neonatal, and Postneonatal Deaths, and Mortality Rates by Sex of Child, California, 1990-1997, 1999-2001	92
4-2 Live Births, Infant Deaths, and Cohort Infant Mortality Rates by Race/Ethnic Group of Mother, California, 2000-2001	93
4-3 Live Births, Infant, Neonatal, and Postneonatal Deaths, and Mortality Rates by Plurality of Delivery and Birthweight, California Birth Cohort, 2001	94
4-4 Number and Percent of Infant Deaths by Age and Sex of Child, California, 2000-2001	95

STATEWIDE DATA

4-5 Infant, Neonatal, and Postneonatal Deaths, and Mortality Rates by Sex of Child, California, 1990-2002	96
4-6 Number and Percent of Infant Deaths by Age and Sex of Child, California, 2001-2002	97
4-7 Infant, Neonatal, and Postneonatal Deaths, and Mortality Rates by Sex and Race/Ethnic Group of Child, California, 2002	98
4-8 Infant, Neonatal, and Postneonatal Deaths by Sex and Race of Child, California, 2002	99
4-9 Number and Percent of Infant Deaths and Infant Mortality Rates for Leading Causes of Infant Death by Sex of Child, California, 2002	100
4-10 Leading Causes of Infant Death by Race/Ethnic Group of Child, California, 2002	101

STATEWIDE DATA (CONT.)

<u>TABLE</u>	Page
4-11 Number and Percent of Infant, Neonatal, Postneonatal Deaths, and Infant Mortality Rates from Selected Causes, California, 2002	102

COUNTY DATA

4-12 Infant Deaths by Month of Death (By Place of Residence), California Counties and Selected City Health Departments, 2002	104
4-13 Infant, Neonatal, and Postneonatal Deaths by Sex and Race/Ethnic Group of Child, California Counties, 2002	105
4-14 Infant, Neonatal, and Postneonatal Deaths by Sex and Race of Child, California Counties, 2002	110
4-15 Leading Causes of Infant Death, California Counties, 2002	115

SUMMARY OF INFANT MORTALITY

Note: Please see Chapter 1 for additional tables and discussion of infant mortality.

There were 2,875 deaths of California resident infants (under one year of age) in 2002, 60 more than the number of infant deaths in 2001. This was the second increase in infant deaths following a long decline from 1989-1999 (Table 1-1).

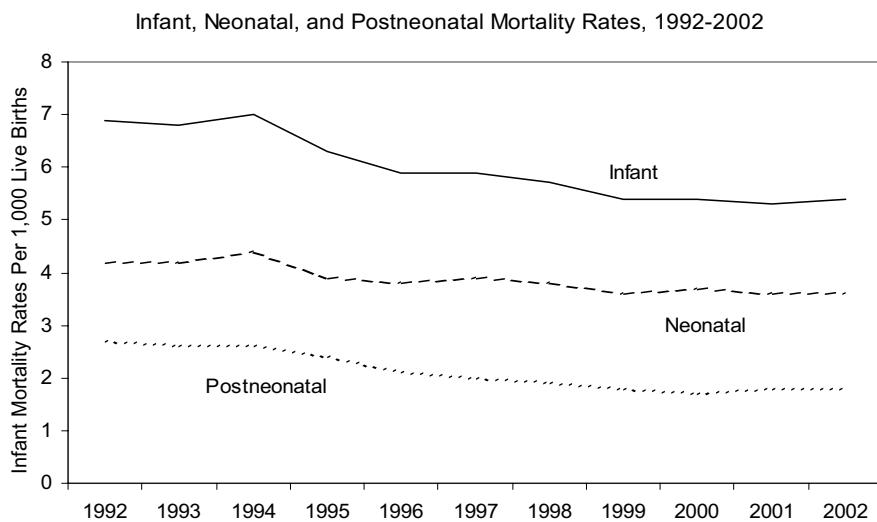
More than half of the infant deaths were males, 55.8 percent, and 44.2 percent were females. The majority of infant deaths, 66.9 percent, were less than 28 days old. Of these, 60.9 percent died within 24 hours of birth (Tables 4-5 and 4-6).

Infant Mortality Rates

Note: Infant mortality rates are calculated based on the number of deaths to infants under one year of age divided by the number of births in the same year. All rates are per 1,000 live births, with the exception of Table 4-11 where the rates were calculated per 100,000 live births.

The 2002 infant mortality rate of 5.4 (deaths under one year of age per 1,000 live births) increased in California for the first time since 1994, up from the rate of 5.3 in 2001 (Tables 1-1 and 4-5).

Among the 38 counties with at least 5 infant deaths and at least 1,000 live births, the infant mortality rates ranged from 3.0 in San Luis Obispo County to 8.0 in Yuba County (Table 1-2).



The neonatal (less than 28 days old) mortality rate was 3.6 deaths per 1,000 live births in 2002, unchanged from the 2001 rate. The neonatal mortality rate in 2002 was down 14.3 percent over the ten-year period from the 4.2 rate in 1992 (Table 4-5).

Among the 36 counties with at least 5 neonatal deaths and at least 1,000 live births, the neonatal mortality rate ranged from 1.8 in Santa Cruz County to 6.1 in Stanislaus County (Table 1-2).

The postneonatal (28 days through the end of the first year of life) mortality rate was 1.8 per 1,000 live births in 2002, unchanged from the rate in 2001 and down 33.3 percent from the rate of 2.7 in 1992 (Table 4-5). Among the 28 counties with at least 5 postneonatal deaths and at least 1,000 live births, the postneonatal mortality rate ranged from 0.9 in San Mateo, Santa Clara, and Ventura Counties to 5.3 in Yuba County (Table 1-2).

Causes of Death

Note: Causes of death are coded using the International Classification of Diseases, Tenth Revision (ICD-10) and are not necessarily comparable to 1998 and prior data that were coded under ICD-9.

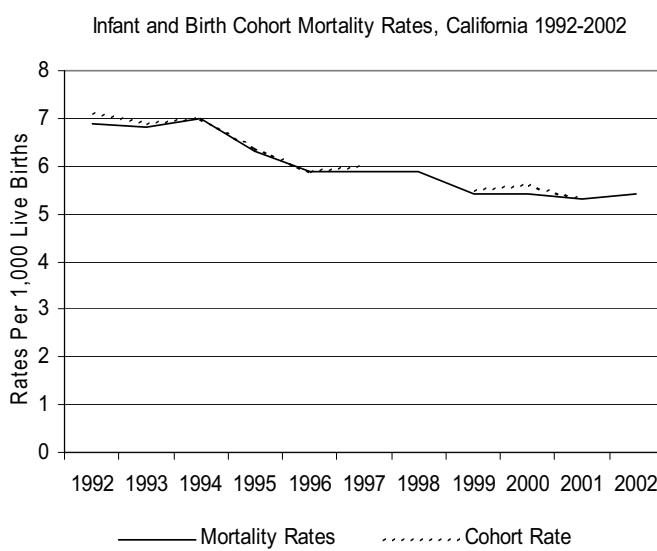
In 2002 the three leading causes of death for infants accounted for 45.3 percent of all infant deaths (Table 4-9). Of the 2,875 infant deaths, 723 were from congenital malformations, et al. Of these deaths, 68.0 percent were neonatal deaths (infants less than 28 days old). There were 412 deaths from disorders of short gestation and low birthweight, of which 98.5 percent were neonatal deaths. There were 168 infant deaths from sudden infant death syndrome (SIDS), 92.9 percent of which were postneonatal deaths (28 days through 11 months of age) (Table 4-11).

Leading Causes of Infant Death by Sex, 2002

Males	Females	Causes of Infant Death	Number	Percent
373	350	Congenital Malformations, Deformations, and Chromosomal Abnormalities	723	25.1
237	175	Disorders of Short Gestation and Low Birthweight	412	14.3
96	72	Sudden Infant Death Syndrome (SIDS)	168	5.8

Infant Mortality Rates by Race/Ethnicity

Note: The following race/ethnicity-specific infant mortality rates are primarily based on the 1992-1997 and 1999-2001 Birth Cohort Files. The first graph compares cohort mortality rates with those derived from the 1992-2002 California Death Statistical Master Files, displaying the similarity between total infant mortality rates derived from the two sources. Due to the cohort file's linkage of birth data with infant death data, however, race-specific rates can be based on race/ethnicity data of mother for both the numerator and denominator and are therefore considered more accurate, though less timely, than rates based on the race of child from the Statistical Master Files. Rates based on the cohort file will be so specified in the text or title and source notes of tables. If not specifically referenced as based on the Birth Cohort Files, rates and infant death counts are derived from the Death Statistical Master Files. The 1998 Birth Cohort File was not prepared; the 2002 file was not completed in time for preparation of this report. Please see Chapter 1 and Chapter 6 for further information on the Birth Cohort File.



All Race/Ethnic Groups Combined

The trend line for infant mortality rates for 1992-2002 very closely parallels the trend for the birth cohort rates.

Infant mortality rates dropped from 7.0 deaths per 1,000 live births in 1994 to 5.3 in 2001 and increased to

5.4 in 2002 (Table 4-5). Cohort mortality rates were within .2% of these rates each year of the decade. (Tables 4-1 and 4-5).

Cohort Infant Mortality Rates Compared by Race/Ethnicity

Note: Beginning in 2000 race reporting changed to allow for the reporting of up to three races on birth and death certificates. Due to this change, data for race and race/ethnic groups differ from previous reports and are not comparable. For further information see Chapter 6.

In 2001 the cohort infant mortality rate of 11.1 for Black infants was substantially higher than for the other race/ethnic groups. The American Indian rate of 8.1 was also higher than the rate for the multi-racial (2 or more race/ethnic groups), Hispanic, Asian/Pacific Islander, and the White/Other race/ethnic groups (Table 4-2).

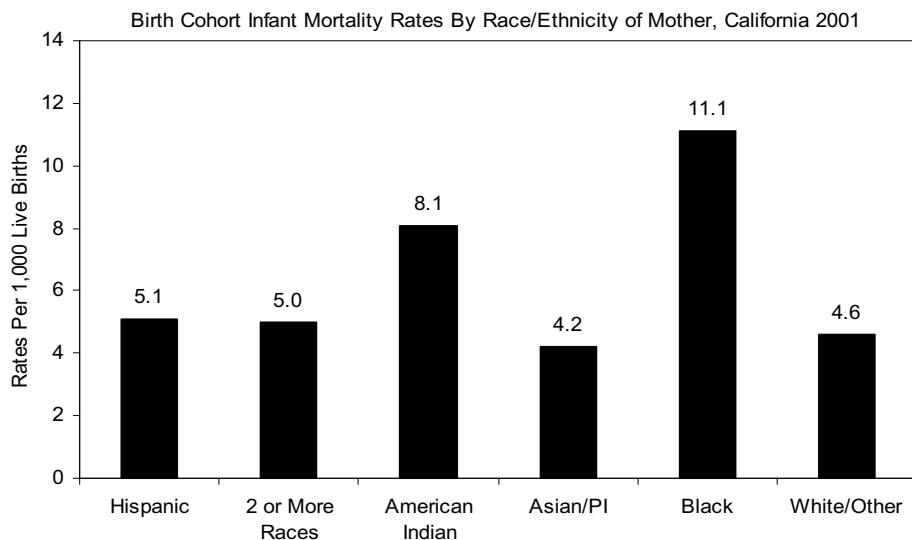


TABLE 4-1. INFANT, NEONATAL, AND POSTNEONATAL DEATHS, AND MORTALITY RATES BY SEX OF CHILD, CALIFORNIA, 1990-1997, 1999-2001 (By Place of Residence)
(Rates are per 1,000 live births in specified group.)

YEAR	INFANT DEATHS			COHORT INFANT MORTALITY RATES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<u>INFANT MORTALITY¹</u>						
2001	2,819 ^{a,b}	1,527	1,281	5.3	5.7	5.0
2000	2,962 ^a	1,602	1,356	5.6	5.9	5.2
1999	2,842 ^a	1,556	1,285	5.5	5.9	5.1
1997	3,152 ^a	1,692	1,455	6.0	6.3	5.7
1996	3,167 ^a	1,757	1,406	5.9	6.4	5.3
1995	3,521 ^a	1,987	1,532	6.4	7.0	5.7
1994	3,960 ^a	2,173	1,779	7.0	7.5	6.4
1993	4,041 ^a	2,209	1,823	6.9	7.4	6.4
1992	4,236 ^a	2,393	1,839	7.0	7.8	6.3
1991	4,555	2,583	1,972	7.5	8.3	6.6
1990	4,870	2,819	2,051	8.0	9.0	6.9
<u>NEONATAL MORTALITY²</u>						
2001	1,892 ^a	1,037	846	3.6	3.9	3.3
2000	2,035 ^a	1,086	945	3.8	4.0	3.6
1999	1,929 ^a	1,048	880	3.7	4.0	3.5
1997	2,140 ^a	1,122	1,013	4.1	4.2	3.9
1996	2,108 ^a	1,136	968	3.9	4.1	3.7
1995	2,254 ^a	1,246	1,006	4.1	4.4	3.7
1994	2,555 ^a	1,402	1,145	4.5	4.8	4.1
1993	2,497 ^a	1,341	1,147	4.3	4.5	4.0
1992	2,609 ^a	1,424	1,181	4.3	4.6	4.0
1991	2,829	1,573	1,256	4.6	5.0	4.2
1990	2,991	1,692	1,299	4.9	5.4	4.4
<u>POSTNEONATAL MORTALITY³</u>						
2001	927 ^b	490	435	1.8	1.8	1.7
2000	927	516	411	1.7	1.9	1.6
1999	913	508	405	1.8	1.9	1.6
1997	1,012	570	442	1.9	2.1	1.7
1996	1,059	621	438	2.0	2.3	1.7
1995	1,267	741	526	2.3	2.6	2.0
1994	1,405	771	634	2.5	2.7	2.3
1993	1,544	868	676	2.6	2.9	2.4
1992	1,627	969	658	2.7	3.1	2.2
1991	1,726	1,010	716	2.8	3.2	2.4
1990	1,879	1,127	752	3.1	3.6	2.5

¹ Infant deaths are under one year of age.

² Neonatal deaths are deaths under 28 days of age.

³ Postneonatal deaths are deaths occurring between the 28th day and the end of the first year of life.

^a Includes neonatal deaths where sex is unknown; 2001 includes 9, 2000 includes 4, 1999 includes 1, 1997 includes 5, 1996 includes 4, 1995 includes 2, 1994 includes 8, 1993 includes 9, and 1992 includes 4.

^b Includes 2 postneonatal deaths where sex is unknown in 2001.

Note: Data for 1998 are not available. See Chapter 6.

Source: State of California, Department of Health Services, Birth Cohort Files.

TABLE 4-2. LIVE BIRTHS, INFANT DEATHS, AND COHORT INFANT MORTALITY RATES BY RACE/ETHNIC GROUP¹ OF MOTHER, CALIFORNIA, 2000-2001

RACE/ETHNIC GROUP OF MOTHER	LIVE BIRTHS	
	2000	2001
TOTAL	531,313	527,452
HISPANIC	257,963	261,022
NON-HISPANIC		
2 OR MORE RACE GROUPS	6,254	6,388
AMERICAN INDIAN	1,975	1,986
ASIAN	58,872	57,444
BLACK	32,290	30,971
PACIFIC ISLANDER	2,376	2,356
WHITE	168,219	163,787
OTHER	173	219
UNKNOWN	3,191	3,279
RACE/ETHNIC GROUP OF MOTHER	INFANT DEATHS	
	2000	2001
TOTAL	2,962	2,819
HISPANIC	1,354	1,330
NON-HISPANIC		
2 OR MORE RACE GROUPS	42	32
AMERICAN INDIAN	19	16
ASIAN	275	234
BLACK	377	344
PACIFIC ISLANDER	20	16
WHITE	772	758
OTHER	1	3
UNKNOWN	102	86
RACE/ETHNIC GROUP OF MOTHER	COHORT INFANT MORTALITY RATES	
	2000	2001
TOTAL	5.6	5.3
HISPANIC	5.2	5.1
NON-HISPANIC		
2 OR MORE RACE GROUPS	6.7	5.0
AMERICAN INDIAN	9.6	8.1
ASIAN	4.7	4.1
BLACK	11.7	11.1
PACIFIC ISLANDER	8.4	6.8
WHITE	4.6	4.6
OTHER	a,b	a,b
UNKNOWN		

¹ The race/ethnic groups on this table provide a mutually exclusive list with Hispanic, 2 or more race groups, and single races. American Indian includes Eskimo and Aleut; Pacific Islander Includes Hawaiian. These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

a Rates not calculated for fewer than 5 events.

b Rates not calculated for fewer than 1,000 live births.

Note: Rates are not shown for unknown categories.

Source: State of California, Department of Health Services, Birth Cohort File.

TABLE 4-3. LIVE BIRTHS, AND INFANT, NEONATAL, AND POSTNEONATAL DEATHS, AND MORTALITY RATES BY PLURALITY OF DELIVERY AND BIRTHWEIGHT, CALIFORNIA BIRTH COHORT, 2001 (By Place of Residence)

(Rates are per 1,000 live births in specified group.)

PLURALITY AND BIRTHWEIGHT	LIVE BIRTHS	INFANT DEATHS		NEONATAL DEATHS		POSTNEONATAL DEATHS	
		NUMBER	COHORT RATE	NUMBER	COHORT RATE	NUMBER	COHORT RATE
TOTAL	527,452	2,819	5.3	1,892	3.6	927	1.8
UNDER 500 GRAMS	642	515	b	507	b	8	b
500 GRAMS-999 GRAMS	2,304	690	299.5	567	246.1	123	53.4
1000 GRAMS-1499 GRAMS	3,137	164	52.3	119	37.9	45	14.3
1500 GRAMS-2499 GRAMS	27,144	427	15.7	264	9.7	163	6.0
2500 GRAMS & OVER	494,180	983	2.0	403	0.8	580	1.2
UNKNOWN	45	40		32		8	
SINGLE	512,329	2,450	4.8	1,593	3.1	857	1.7
UNDER 500 GRAMS	503	395	b	388	b	7	b
500 GRAMS-999 GRAMS	1,781	535	300.4	441	247.6	94	52.8
1000 GRAMS-1499 GRAMS	2,290	130	56.8	93	40.6	37	16.2
1500 GRAMS-2499 GRAMS	20,612	389	18.9	246	11.9	143	6.9
2500 GRAMS & OVER	487,099	962	2.0	394	0.8	568	1.2
UNKNOWN	44	39		31		8	
TWIN	14,447	336	23.3	270	18.7	66	4.6
UNDER 500 GRAMS	130	111	b	110	b	1	a,b
500 GRAMS-999 GRAMS	462	139	b	111	b	28	b
1000 GRAMS-1499 GRAMS	687	28	b	22	b	6	b
1500 GRAMS-2499 GRAMS	6,120	37	6.0	18	2.9	19	3.1
2500 GRAMS & OVER	7,048	21	3.0	9	1.3	12	1.7
UNKNOWN	-	-		-		-	
TRIPLET	602	27	b	23	b	4	a,b
UNDER 500 GRAMS	9	9	b	9	b	-	-
500 GRAMS-999 GRAMS	51	11	b	10	b	1	a,b
1000 GRAMS-1499 GRAMS	132	6	b	4	a,b	2	a,b
1500 GRAMS-2499 GRAMS	378	1	a,b	-	-	1	a,b
2500 GRAMS & OVER	32	-	-	-	-	-	-
UNKNOWN	-	-		-		-	
QUADRUPLET AND OVER ¹	73	5	b	5	b	-	-
UNDER 500 GRAMS	-	-	-	-	-	-	-
500 GRAMS-999 GRAMS	10	5	b	5	b	-	-
1000 GRAMS-1499 GRAMS	28	-	-	-	-	-	-
1500 GRAMS-2499 GRAMS	34	-	-	-	-	-	-
2500 GRAMS & OVER	1	-	-	-	-	-	-
UNKNOWN	-	-		-		-	
UNKNOWN	1	1		1		-	
UNDER 500 GRAMS	-	-		-		-	
500 GRAMS-999 GRAMS	-	-		-		-	
1000 GRAMS-1499 GRAMS	-	-		-		-	
1500 GRAMS-2499 GRAMS	-	-		-		-	
2500 GRAMS & OVER	-	-		-		-	
UNKNOWN	1	1		1		-	

- Represents zero events.

¹ In 2001 there were five quintuplet deaths.

a Rates not calculated for fewer than five events.

b Rates not calculated for fewer than 1000 live births.

Note: Infant deaths are under one year of age.

Neonatal deaths are deaths under 28 days of age.

Postneonatal deaths are deaths occurring between the 28th day and the end of the first year of life.

Rates not shown for unknown events.

Source: State of California, Department of Health Services, Birth Cohort Files.

TABLE 4-4. NUMBER AND PERCENT OF INFANT DEATHS BY AGE AND SEX
OF CHILD, CALIFORNIA, 2000 - 2001
(By Place of Residence)

SEX AND AGE	2000		2001	
	NUMBER	PERCENT BY AGE	NUMBER	PERCENT BY AGE
TOTAL	2,962	100.0	2,819	100.0
UNDER 1 DAY	1,190	40.2	1,072	38.0
1-6 DAYS	426	14.4	414	14.7
7-27 DAYS	419	14.1	406	14.4
28 DAYS-UNDER 1 YEAR	927	31.3	927	32.9
MALE	1,602	100.0	1,527	100.0
UNDER 1 DAY	619	38.6	591	38.7
1-6 DAYS	246	15.4	231	15.1
7-27 DAYS	221	13.8	215	14.1
28 DAYS-UNDER 1 YEAR	516	32.2	490	32.1
FEMALE	1,356	100.0	1,281	100.0
UNDER 1 DAY	567	41.8	473	36.9
1-6 DAYS	180	13.3	182	14.2
7-27 DAYS	198	14.6	191	14.9
28 DAYS-UNDER 1 YEAR	411	30.3	435	34.0
UNKNOWN	4	100.0	11	100.0
UNDER 1 DAY	4	100.0	8	72.7
1-6 DAYS	-	-	1	9.1
7-27 DAYS	-	-	-	-
28 DAYS-UNDER 1 YEAR	-	-	2	18.2

- Represents zero events.

Source: State of California, Department of Health Services, Birth Cohort Files.

TABLE 4-5. INFANT, NEONATAL, AND POSTNEONATAL DEATHS, AND MORTALITY RATES
BY SEX OF CHILD, CALIFORNIA, 1990-2002 (By Place of Residence)
(Rates are deaths per 1,000 births in specified group.)

YEAR	INFANT DEATHS			INFANT MORTALITY RATES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
INFANT MORTALITY¹						
2002	2,875	1,605	1,270	5.4	5.9	4.9
2001	2,815	1,545	1,270	5.3	5.7	4.9
2000	2,884	1,555	1,329	5.4	5.7	5.1
1999	2,787	1,530	1,257	5.4	5.8	5.0
1998	2,994	1,627	1,367	5.7	6.1	5.4
1997	3,091	1,663	1,428	5.9	6.2	5.6
1996	3,186	1,768	1,418	5.9	6.4	5.4
1995	3,478	1,958	1,520	6.3	6.9	5.7
1994	3,948	2,181	1,767	7.0	7.5	6.4
1993	3,970	2,204	1,766	6.8	7.4	6.2
1992	4,174	2,351	1,823	6.9	7.6	6.2
1991	4,596	2,661	1,935	7.5	8.5	6.5
1990	4,828	2,766	2,062	7.9	8.8	6.9
NEONATAL MORTALITY²						
2002	1,922	1,070	852	3.6	4.0	3.3
2001	1,889	1,049	840	3.6	3.9	3.3
2000	1,957	1,039	918	3.7	3.8	3.5
1999	1,843	995	848	3.6	3.8	3.3
1998	1,993	1,068	925	3.8	4.0	3.6
1997	2,056	1,080	976	3.9	4.0	3.8
1996	2,041	1,105	936	3.8	4.0	3.6
1995	2,164	1,208	956	3.9	4.3	3.6
1994	2,467	1,355	1,112	4.4	4.7	4.0
1993	2,429	1,310	1,119	4.2	4.4	3.9
1992	2,545	1,402	1,143	4.2	4.6	3.9
1991	2,774	1,550	1,224	4.6	5.0	4.1
1990	2,959	1,688	1,271	4.8	5.4	4.3
POSTNEONATAL MORTALITY³						
2002	953	535	418	1.8	2.0	1.6
2001	926	496	430	1.8	1.8	1.7
2000	927	516	411	1.7	1.9	1.6
1999	944	535	409	1.8	2.0	1.6
1998	1,001	559	442	1.9	2.1	1.7
1997	1,035	583	452	2.0	2.2	1.8
1996	1,145	663	482	2.1	2.4	1.8
1995	1,314	750	564	2.4	2.7	2.1
1994	1,481	826	655	2.6	2.9	2.4
1993	1,541	894	647	2.6	3.0	2.3
1992	1,629	949	680	2.7	3.1	2.3
1991	1,822	1,111	711	3.0	3.6	2.4
1990	1,869	1,078	791	3.1	3.4	2.7

¹ Infant deaths are under one year of age.

² Neonatal deaths are deaths under 28 days of age.

³ Postneonatal deaths are deaths occurring between the 28th day and the end of the first year of life.

Source: State of California, Department of Health Services, Birth and Death Records.

TABLE 4-6. NUMBER AND PERCENT OF INFANT DEATHS BY AGE AND SEX
OF CHILD, CALIFORNIA 2001 - 2002
(By Place of Residence)

AGE AND SEX	2001		2002	
	NUMBER	PERCENT BY AGE	NUMBER	PERCENT BY AGE
TOTAL	2,815	100.0	2,875	100.0
UNDER 1 DAY	1,075	38.2	1,170	40.7
1-6 DAYS	416	14.8	380	13.2
7-27 DAYS	398	14.1	372	12.9
28 DAY - UNDER 1 YEAR	926	32.9	953	33.1
MALE	1,545	100.0	1,605	100.0
UNDER 1 DAY	598	38.7	647	40.3
1-6 DAYS	232	15.0	224	14.0
7-27 DAYS	219	14.2	199	12.4
28 DAY - UNDER 1 YEAR	496	32.1	535	33.3
FEMALE	1,270	100.0	1,270	100.0
UNDER 1 DAY	477	37.6	523	41.2
1-6 DAYS	184	14.5	156	12.3
7-27 DAYS	179	14.1	173	13.6
28 DAY - UNDER 1 YEAR	430	33.9	418	32.9

Note: Percents are rounded independently and may not add to totals.

Source: State of California, Department of Health Services, Death Records.

TABLE 4-7. INFANT, NEONATAL, AND POSTNEONATAL DEATHS AND MORTALITY RATES BY SEX AND RACE/ETHNIC GROUP¹ OF CHILD,
CALIFORNIA, 2002 (By Place of Residence)
(Rates are per 1,000 live births in specified group.)

RACE/ETHNIC GROUP OF CHILD		INFANT DEATHS								INFANT DEATHS									
		INFANT ²		NEONATAL ³		POSTNEONATAL ⁴		INFANT DEATHS		NEONATAL ³		POSTNEONATAL ⁴		INFANT DEATHS		NEONATAL ³			
TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	
TOTAL	2,875	1,605	1,270	1,922	1,070	852	953	535	418	HISPANIC	1,374	746	927	447	245	11	1	8	
NON-HISPANIC										NON-HISPANIC								202	
2 OR MORE RACE GROUPS	63	35	28	44	20	19	11	1	1	AMERICAN INDIAN	11	6	5	5	1	-	-	-	
ASIAN	209	115	94	10	5	5	62	62	44	BLACK	378	212	166	133	103	76	44	32	
PACIFIC ISLANDER	8	4	4	6	4	2	6	4	2	WHITE/OTHER	827	485	342	562	230	142	79	63	
UNKNOWN	5	2	3	4	2	2	2	2	2					265	153	2	112		
																	1		
RACE/ETHNIC GROUP OF CHILD		INFANT DEATHS								INFANT MORTALITY RATES									
		INFANT ²		NEONATAL ³		POSTNEONATAL ⁴		INFANT DEATHS		NEONATAL ³		POSTNEONATAL ⁴		INFANT DEATHS		NEONATAL ³			
TOTAL ⁵	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	
TOTAL	5.4	5.9	4.9	3.6	4.0	3.3	1.8	2.0	1.6	HISPANIC	5.2	5.6	4.9	3.5	3.7	1.7	1.8	1.6	1.6
NON-HISPANIC										NON-HISPANIC									
2 OR MORE RACE GROUPS	9.2	10.2	8.3	6.5	7.0	5.9	2.8	3.2	2.4	AMERICAN INDIAN	5.6	6.0	5.2	5.0	5.2	0.5	1.0	1.4	-
ASIAN	3.5	3.8	3.3	2.2	2.3	2.2	1.3	1.4	1.1	BLACK	12.7	13.9	11.4	7.9	8.7	7.1	4.8	5.2	4.3
PACIFIC ISLANDER	3.3	3.1	3.5	2.5	1.6	3.5	3.5	3.5	0.8	WHITE/OTHER	5.1	5.9	4.3	3.5	4.0	2.9	1.6	1.6	1.4

- Represents zero events.

¹ The race/ethnic groups in this table provide a mutually exclusive list with Hispanic, 2 or more race groups, and single races. American Indian includes Eskimo and Aleut, Pacific Islander includes Hawaiian. These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

² Infant deaths are under one year of age.

³ Neonatal deaths are deaths occurring between the 28th day and the end of the first year of life.

⁴ Postneonatal deaths are deaths occurring between the 28th day and the end of the first year of life.

⁵ Total includes unknown race/ethnicity.

Source: State of California, Department of Health Services, Birth and Death Records.

TABLE 4-8. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE¹ OF CHILD, CALIFORNIA, 2002 (By Place of Residence)

RACE OF CHILD	INFANT ²		NEONATAL ³		POSTNEONATAL ⁴	
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL	2,875	1,605	1,270	1,922	1,070	852
2 OR MORE RACE GROUPS	85	49	36	57	33	24
AMERICAN INDIAN	14	8	6	12	7	5
BLACK	394	221	173	243	137	106
CAMBODIAN	5	2	3	3	1	2
CHINESE	38	22	16	24	14	10
ESKIMO / ALEUT	-	-	-	-	-	-
FILIPINO	66	37	29	41	24	17
GUAMANIAN	5	3	2	4	2	2
HAWAIIAN	-	-	-	-	-	-
HMONG	7	6	1	6	5	1
INDIAN (INDIA)	23	11	12	15	6	9
JAPANESE	9	4	5	5	1	4
KOREAN	12	7	5	3	3	-
LAOTIAN	5	5	-	1	1	-
SAMOAN	3	2	1	2	1	1
THAI	-	-	-	-	-	-
VIETNAMESE	30	12	18	24	9	15
WHITE	2,153	1,200	953	1,461	813	648
OTHER PACIFIC ISLANDER	3	1	2	3	1	2
OTHER ASIAN	14	9	5	11	7	4
OTHER	2	2	-	1	-	3
NOT STATED	7	4	3	6	4	2

- Represents zero events.

¹ The list of races identifies 2 or more race groups before selecting single races.
 This list of races is not comparable with races used in Vital Statistics of California reports prior to 2000. See Chapter 6.

² Infant deaths are under one year of life.³ Neonatal deaths are deaths under 28 days of age.

⁴ Postneonatal deaths are deaths occurring between the 28th day and the end of the first year of life.

Source: State of California, Department of Health Services, Death Records.

TABLE 4-9. NUMBER AND PERCENT OF INFANT DEATHS AND INFANT MORTALITY RATES FOR LEADING CAUSES OF INFANT DEATH BY SEX OF CHILD, CALIFORNIA, 2002
 (By Place of Residence)
 (Infant mortality rates are per 100,000 live births in specified group.)

CAUSE OF INFANT DEATH	ICD CODES REV. 10	TOTAL INFANT DEATHS				MALE INFANT DEATHS				FEMALE INFANT DEATHS				MORTALITY RATE
		TOTAL RANK	DEATHS	PERCENT ¹	MORTALITY RATE	RANK	DEATHS	PERCENT ¹	MORTALITY RATE	RANK	DEATHS	PERCENT ¹	MORTALITY RATE	
All Causes	A00-Y89	2,875	100.0	543.2		1,605	100.0	593.6		1,270	100.0	490.6		
Congenital Malformations, Deformations and Chromosomal Abnormalities	Q00-Q99	1	723	25.1	136.6	1	373	23.2	138.0	1	350	27.6	135.2	
Disorders of Short Gestation and Low Birthweight	P07	2	412	14.3	77.8	2	237	14.8	87.7	2	175	13.8	67.6	
Sudden Infant Death Syndrome	R95	3	168	5.8	31.7	3	96	6.0	35.5	3	72	5.7	27.8	
Effect of Maternal Complications of Pregnancy	P01	4	113	3.9	21.4	4	59	3.7	21.8	4	54	4.3	20.9	
Complications of Placenta, Cord, and Membrane	P02	5	100	3.5	18.9	5	58	3.6	21.5	5	42	3.3	16.2	
Respiratory Distress of Newborn	P22	6	82	2.9	15.5	6	43	2.7	15.9	6	39	3.1	15.1	
Diseases of Circulatory System	I00-I99	7	69	2.4	13.0	7	37	2.3	13.7	7	32	2.5	12.4	
Intrauterine Hypoxia & Birth Asphyxia	P20-P21	8	63	2.2	11.9	8	35	2.2	12.9	8	28	2.2	10.8	
Accidents	V01-X59	9	57	2.0	10.8	10	32	2.0	11.8	9	25	2.0	9.7	
Bacterial Sepsis of Newborn	P36	10	46	1.6	8.7	11	30	1.9	11.1	10	16	1.3	6.2	
Neonatal Hemorrhage	P50-P52, P54	11	42	1.5	7.9	9	33	2.1	12.2	11	9	0.7	3.5	
All Other Causes	RESIDUAL		1,000	34.8		572	35.6			428	33.7			

¹ Percents are rounded independently and may not add to totals.

Note: The leading causes of infant death are coded by ICD-10 and are presented in 2002 ranking for total infant deaths.

Source: State of California, Department of Health Services, Birth and Death Records.

TABLE 4-10. LEADING CAUSES OF INFANT DEATH BY RACE/ETHNIC GROUP¹ OF CHILD, CALIFORNIA, 2002 (By Place of Residence)

RANK	CAUSE OF DEATH	ICD CODES REV. 10	TOTAL INFANT DEATHS	HISPANIC	2 OR MORE RACE GROUPS			NON-HISPANIC RACE GROUPS			WHITE/ OTHER	UNKNOWN
					AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER				
1	All Causes	A00-Y89	2,875	1,374	63	11	209	378	8	827	5	
	Congenital Malformations, Deformations, and Chromosomal Abnormalities	Q00-Q99	723	405	14	2	57	47	1	197	-	
2	Disorders of Short Gestation and Low Birthweight	P07	412	193	12	1	28	68	2	105	3	
3	Sudden Infant Death Syndrome	R95	168	50	7	-	8	28	1	74	-	
4	Effect of Maternal Complications of Pregnancy	P01	113	51	1	2	6	18	-	35	-	
5	Complications of Placenta, Cord, and Membrane	P02	100	51	2	-	3	18	-	26	-	
6	Respiratory Distress of Newborn	P22	82	42	1	-	8	7	-	24	-	
7	Diseases of Circulatory System	100-99	69	28	-	-	11	8	-	22	-	
8	Intrauterine Hypoxia & Birth Asphyxia	P20-P21	63	31	1	3	3	9	2	13	1	
9	Accidents	V01-X59	57	26	1	-	3	7	-	20	-	
10	Bacterial Sepsis of Newborn	P36	46	19	-	-	-	6	-	21	-	
11	Neonatal Hemorrhage	P50-P52, P54	42	25	1	-	4	3	-	9	-	
	All Other Causes	RESIDUAL	1,000	453	23	3	78	159	2	281	1	

¹ The race/ethnic groups in this table provide a mutually exclusive list with Hispanic, 2 or more race groups, and single races. American Indian includes Eskimo and Aleut; Pacific Islander includes Hawaiian. These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

- Represents zero events.

Source: State of California, Department of Health Services, Death Records.

TABLE 4-11. NUMBER AND PERCENT OF INFANT, NEONATAL, AND POSTNEONATAL DEATHS, AND INFANT MORTALITY RATES FROM SELECTED CAUSES, CALIFORNIA 2002 (By Place of Residence)
 (Infant mortality rates are per 100,000 live births.)

ICD CODES REV. 10	CAUSES OF INFANT DEATH	INFANT DEATHS			NEONATAL DEATHS			POSTNEONATAL DEATHS		
		NUMBER	RATE	PERCENT ¹	NUMBER	RATE	PERCENT ¹	NUMBER	RATE	PERCENT ¹
A00-Y89	TOTAL, ALL CAUSES	2,875	543.2	100.0	1,922	363.2	100.0	953	180.1	100.0
P00-P96	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1,385	261.7	48.2	1,283	244.3	67.3	92	17.4	9.7
P00-P04	MATERNAL CONDITIONS	245	46.3	8.5	238	45.0	12.4	7	1.3	0.7
P00	NEWBORN AFFECTED BY MATERNAL CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY	11	2.1	0.4	10	1.9	0.5	1	a	0.1
P01	# NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	113	21.4	3.9	112	21.2	5.8	1	a	0.1
P01.1	PREMATURE RUPTURE OF MEMBRANES	55	10.4	1.9	55	10.4	2.9	-	-	-
P02	# NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA, CORD AND MEMBRANES	100	1.8	3.5	98	18.5	5.1	2	a	0.2
P03	# NEWBORN AFFECTED BY COMPLICATIONS OF LABOR AND DELIVERY	13	2.5	0.5	13	2.5	0.7	-	-	-
P04	# NEWBORN AFFECTED BY NOXIOUS INFLUENCE VIA PLACENTA OR BREAST MILK	8	1.5	0.3	5	0.9	0.3	3	a	0.3
P05-P08	DISORDERS RELATED TO LENGTH OF GESTATION OR MALNUTRITION	417	7.5	14.5	411	77.7	21.4	6	1.1	0.6
P05	# SLOW FETAL GROWTH AND FETAL MALNUTRITION	5	0.9	0.2	5	0.9	0.3	-	-	-
P07	# DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	412	77.8	14.3	406	76.7	21.1	6	1.1	0.6
P07.2	EXTREME IMMATURITY	340	64.2	11.8	335	63.3	17.4	5	0.9	0.5
P10-P15	BIRTH TRAUMA	42	7.9	1.5	41	7.7	2.1	1	a	0.1
P20-P28	RESPIRATORY CONDITIONS ORIGINATING IN PERINATAL PERIOD	253	47.8	8.8	201	38.0	10.5	52	9.8	5.5
P20-P21	# INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	63	11.9	2.2	57	10.8	3.0	6	1.1	0.6
P22	# RESPIRATORY DISTRESS OF NEWBORN	82	15.5	2.9	73	13.8	3.8	9	1.7	0.9
P23-P24	CONGENITAL PNEUMONIA & NEONATAL ASPIRATION SYNDROMES	18	3.4	0.6	14	2.6	0.7	4	a	0.4
P25	# INTERSTITIAL EMPHYSEMA & RELATED CONDITIONS	20	3.8	0.7	20	3.8	1.0	-	-	-
P26	# PULMONARY HEMORRHAGE	12	2.3	0.4	12	2.3	0.6	-	-	-
P27	# CHRONIC RESPIRATORY DISEASE	35	6.6	1.2	2	a	0.1	33	6.2	3.5
P28	OTHER RESPIRATORY CONDITIONS	23	b	0.8	23	b	1.2	-	-	-
P29	CARDIOVASCULAR DISORDERS ORIGINATING IN PERINATAL PERIOD	219	4.0	7.6	217	41.0	11.3	2	a	0.2
P35-P39	PERINATAL INFECTIONS	67	12.7	2.3	57	10.8	3.0	10	1.9	1.0
P36	# BACTERIAL SEPSIS OF NEWBORN	46	8.7	1.6	43	8.1	2.2	3	a	0.3
P35,P37-P39	OTHER PERINATAL INFECTIONS	21	b	0.7	14	b	0.7	7	b	0.7
P50-P61	HEMORRHAGIC & HEMATOLOGICAL DISORDERS OF NEWBORN	53	10.0	1.8	50	9.4	2.6	3	a	0.3
P50-P52,P54	NEONATAL HEMORRHAGE	42	7.9	1.5	40	7.6	2.1	2	a	0.2
RESIDUAL	OTHER HEMORRHAGIC & HEMATOLOGICAL CONDITIONS	11	b	0.4	10	b	0.5	1	b	0.1
P75-P78	DIGESTIVE SYSTEM DISORDERS OF NEWBORN	37	7.0	1.3	30	5.7	1.6	7	1.3	0.7
P80-P83	CONDITIONS OF INTEGUMENT & TEMPERATURE REGULATION	20	3.8	0.7	19	3.6	1.0	1	a	0.1
RESIDUAL	OTHER CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	32	b	1.1	29	b	1.5	3	b	0.3
Q00-Q99	# CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	723	136.6	25.1	492	93.0	25.6	231	43.6	24.2
Q00	CONGENITAL MALFORMATIONS OF THE NERVOUS SYSTEM	86	16.2	3.0	69	13.0	3.6	17	3.2	1.8
Q20-Q28	ANENCEPHALY AND SIMILAR MALFORMATIONS	40	7.6	1.4	40	7.6	2.1	-	-	-
Q20-Q24	CONGENITAL MALFORMATIONS OF THE CIRCULATORY SYSTEM	235	44.4	8.2	114	21.5	5.9	121	22.9	12.7
Q25-Q28	OF THE HEART	210	39.7	7.3	98	18.5	5.1	112	21.2	11.8
Q30-Q34	OTHER	25	b	0.9	16	b	0.8	9	b	0.9
Q33	CONGENITAL MALFORMATIONS OF THE RESPIRATORY SYSTEM	83	15.7	2.9	73	13.8	3.8	10	1.9	1.0
Q35-Q45	OF THE LUNG	74	14.0	2.6	68	12.8	3.5	6	1.1	0.6
Q50-Q64	CONGENITAL MALFORMATIONS OF THE DIGESTIVE SYSTEM	13	2.5	0.5	4	a	0.2	9	1.7	0.9
Q65-Q79	CONGENITAL MALFORMATIONS OF THE GENITOURINARY SYSTEM	48	9.1	1.7	45	8.5	2.3	3	a	0.3
Q80-Q89	CONGENITAL MALFORMATIONS AND DEFORMATION OF MUSCULOSKELETAL SYSTEM	55	10.4	1.9	43	8.1	2.2	12	2.3	1.3
Q80-Q89	OTHER CONGENITAL MALFORMATIONS	66	b	2.3	42	b	2.2	24	b	2.5

TABLE 4-11. NUMBER AND PERCENT OF INFANT, NEONATAL, AND POSTNEONATAL DEATHS, AND INFANT MORTALITY RATES FROM SELECTED CAUSES, CALIFORNIA 2002 (By Place of Residence)

ICD CODES REV. 10	CAUSES OF INFANT DEATH	INFANT DEATHS			NEONATAL DEATHS			POSTNEONATAL DEATHS		
		NUMBER	RATE	PERCENT ¹	NUMBER	RATE	PERCENT ¹	NUMBER	RATE	PERCENT ¹
Q90-Q99	CHROMOSOMAL ABNORMALITIES, N.E.C.	136	25.7	4.7	102	19.3	5.3	34	6.4	3.6
Q90	DOWNS SYNDROME	23	4.3	0.8	13	2.5	0.7	10	1.9	1.0
Q91.0-Q91.3	EDWARD'S SYNDROME	54	10.2	1.9	43	8.1	2.2	11	2.1	1.2
Q91.4-Q91.7	PATAU'S SYNDROME	38	7.2	1.3	29	5.5	1.5	9	1.7	0.9
RESIDUAL	OTHER CHROMOSOMAL ABNORMALITIES	21	b	0.7	17	b	0.9	4	b	0.4
RESIDUAL	OTHER CONGENITAL MALFORMATIONS, DEFORMATIONS & ABNORMALITIES	1	b	c	-	b	-	1	b	0.1
A00-B99	CAUSES NOT SPECIFIC TO PERINATAL PERIOD	767	144.9	26.7	137	25.9	7.1	630	119.0	66.1
A40-A41	CERTAIN INFECTIOUS & PARASITIC DISEASES	62	11.7	2.2	3	a	0.2	59	11.1	6.2
A80-B84	SEPTICEMIA	28	5.3	1.0	-	-	-	28	5.3	2.9
C00-D48	VIRAL DISEASES	19	3.6	0.7	1	a	0.1	16	3.0	1.7
E00-E88	NEOPLASMS	30	5.7	1.0	6	1.1	0.3	24	4.5	2.5
G00-G98	ENDOCRINE, NUTRITIONAL & METABOLIC DISEASES	32	6.0	1.1	14	2.6	0.7	18	3.4	1.9
I00-I99	DISEASES OF THE NERVOUS SYSTEM	36	6.8	1.3	10	1.9	0.5	26	4.9	2.7
126-128	DISEASES OF THE CIRCULATORY SYSTEM	69	13.0	2.4	22	4.2	1.1	47	8.9	4.9
I42	PULMONARY HEART DISEASE	23	4.3	0.8	15	2.8	0.8	8	1.5	0.8
160-169	CARDIOMYOPATHY	15	2.8	0.5	4	a	0.2	11	2.1	1.2
RESIDUAL	CEREBROVASCULAR DISEASES	15	2.8	0.5	1	a	0.1	14	2.6	1.5
J00-J98	OTHER DISEASES OF THE CIRCULATORY SYSTEM	16	b	0.6	2	b	0.1	14	b	1.5
J10-J18	DISEASES OF THE RESPIRATORY SYSTEM	72	13.6	2.5	8	1.5	0.4	64	12.1	6.7
K00-K92	INFLUENZA & PNEUMONIA	31	5.9	1.1	4	a	0.2	27	5.1	2.8
K29-K50-K55	OTHER DISEASES OF THE RESPIRATORY SYSTEM	41	b	1.4	4	b	0.2	37	b	3.9
K55	DISEASES OF THE DIGESTIVE SYSTEM	44	8.3	1.5	7	1.3	0.4	37	7.0	3.9
RESIDUAL	GASTRITS, DUODENITS, & NONINFECTIVE ENTERITIS & COLITIS	28	5.3	1.0	5	0.9	0.3	23	4.3	2.4
N00-N98	VASCULAR DISORDERS OF INTESTINE	15	2.8	0.5	3	a	0.2	12	2.3	1.3
N17-N19	OTHER DISEASES OF THE DIGESTIVE SYSTEM	16	b	0.6	2	b	0.1	14	b	1.5
RESIDUAL	DISEASES OF THE GENITOURINARY SYSTEM	12	2.3	0.4	7	1.3	0.4	5	0.9	0.5
R95	RENAL FAILURE	10	1.9	0.3	6	1.1	0.3	4	a	0.4
RESIDUAL	OTHER DISEASES OF THE GENITOURINARY SYSTEM	2	b	0.1	1	b	0.1	1	b	0.1
R00-R99	SYMPOTMS, SIGNS & ABNORMAL CLINICAL & LAB FINDINGS	292	55.2	10.2	34	6.4	1.8	258	48.7	27.1
R95	SUDDEN INFANT DEATH SYNDROME	168	31.7	5.8	12	2.3	0.6	156	29.5	16.4
RESIDUAL	OTHER SYMPTOMS, SIGNS & ABNORMAL FINDINGS	124	b	4.3	22	b	1.1	102	b	10.7
U01-V01-Y84	EXTERNAL CAUSES OF MORTALITY	98	18.5	3.4	18	3.4	0.9	80	15.1	8.4
V01-X59	ACCIDENTS	57	10.8	2.0	9	1.7	0.5	48	9.1	5.0
U01-X85-Y09	ASSAULT (HOMICIDE)	25	4.7	0.9	6	1.1	0.3	19	3.6	2.1
RESIDUAL	OTHER EXTERNAL CAUSES	16	b	0.6	3	b	0.2	13	b	1.4
	ALL OTHER CAUSES NOT SPECIFIC TO PERINATAL PERIOD	20	b	0.7	8	b	0.1	12	b	1.3

Causes of death marked with a "#" are rankable as leading causes of infant death. See NCHS' Instructional Manual Part 9: ICD-10 Cause of Death Listings for Tabulating Mortality Statistics

at www.cdc.gov/nchs/data/dvs/im9_2002.pdf.

Percents are rounded independently and may not add

- Represents zero events.

a Rates are not calculated for fewer than five ever

b Rates are not computed for residual categories.

c Less than 0.05.

e: Infant deaths are

e; State of California, Department of Health Services, Birth and Death Records.

TABLE 4-12. INFANT DEATHS BY MONTH OF DEATH, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2002 (By Place of Residence)

COUNTY	TOTAL	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
CALIFORNIA	2,875	268	216	255	236	243	226	218	258	236	248	234	237
ALAMEDA	91	12	7	10	4	6	11	6	10	4	1	6	11
Berkeley ¹	2	-	-	-	-	-	-	-	-	-	-	-	-
ALPINE	-	-	-	-	-	-	-	-	-	-	-	-	-
AMADOR	1	-	-	2	1	1	-	1	3	5	1	1	-
BUTTE	18	-	-	1	1	1	-	1	1	1	1	1	3
CALAVERAS	2	-	-	1	1	1	-	1	1	1	1	1	-
COLUSA	2	-	-	1	1	1	-	1	1	1	1	1	1
CONTRA COSTA	55	9	7	3	2	4	4	5	6	4	4	4	6
DEL NORTE	2	-	-	2	2	2	-	1	1	4	4	1	1
EL DORADO	12	-	8	6	8	11	4	10	11	10	10	10	8
FRESNO	102	-	-	-	-	-	-	-	-	-	-	-	6
GLENN	2	-	-	1	1	1	-	1	1	1	1	1	1
HUMBOLDT	9	-	-	-	-	-	-	-	-	-	-	-	-
IMPERIAL	10	-	-	-	-	-	-	-	-	-	-	-	-
INYO	-	-	-	-	-	-	-	-	-	-	-	-	-
KERN	76	9	2	1	1	1	-	1	1	1	1	1	1
KINGS	15	-	-	-	-	-	-	-	-	-	-	-	-
LAKE	2	-	-	-	-	-	-	-	-	-	-	-	-
LASSEN	5	-	-	1	1	1	-	1	1	1	1	1	-
LOS ANGELES	825	63	55	71	67	72	76	69	80	64	67	64	77
Long Beach ¹	34	2	2	1	3	3	3	1	2	2	2	2	6
Pasadena ¹	9	-	-	3	-	1	1	-	-	-	-	-	-
MADERA	13	2	2	-	3	1	1	1	2	2	2	2	1
MARIN	10	1	1	1	1	1	1	1	1	1	1	1	1
MARIPOSA	1	-	-	-	-	-	-	-	-	-	-	-	-
MENDOCINO	8	-	-	2	1	1	-	1	1	1	1	1	3
MERCED	28	4	-	1	5	4	2	1	1	3	3	3	-
MODOC	-	-	-	-	-	-	-	-	-	-	-	-	-
MONO	1	-	-	-	-	-	-	-	-	-	-	-	-
MONTEREY	45	5	3	3	3	2	6	3	3	3	3	3	3
NAPA	6	-	-	-	-	-	-	1	1	1	1	1	-
NEVADA	2	-	-	13	21	18	14	18	20	15	21	21	14
ORANGE	216	20	20	13	1	3	-	1	1	2	1	4	1
PLACER	19	3	3	3	-	-	-	2	1	1	-	-	-
PLUMAS	2	-	-	12	13	18	13	16	8	15	13	18	18
RIVERSIDE	170	14	12	9	8	13	15	4	6	10	12	8	10
SACRAMENTO	118	12	9	-	-	-	-	1	-	1	1	1	-
SAN BENITO	4	-	1	1	-	-	-	-	-	-	-	-	-
SAN BERNARDINO	226	28	19	24	20	17	11	18	19	19	20	20	15
SAN DIEGO	197	17	16	12	16	13	20	16	14	24	15	16	18
SAN FRANCISCO	38	4	-	7	3	2	3	1	2	2	2	3	3
SAN JOAQUIN	74	9	-	8	7	6	6	11	2	2	2	8	3
SAN LUIS OBISPO	7	-	1	-	-	1	4	1	2	1	1	1	-
SAN MATEO	40	4	3	3	4	3	6	3	2	3	5	5	7
SANTA BARBARA	26	3	3	4	3	11	7	11	6	6	1	1	2
SANTA CLARA	97	6	3	8	8	2	2	-	2	2	2	2	2
SANTA CRUZ	13	3	-	2	-	-	-	-	-	-	-	-	-
SHASTA	15	-	-	-	-	-	-	-	-	-	-	-	-
SIERRA	-	-	-	-	-	-	-	-	-	-	-	-	-
SISKIYOU	-	-	-	-	-	-	-	-	-	-	-	-	-
SOLANO	46	4	5	5	6	3	5	3	2	3	1	2	3
SONOMA	29	2	2	5	4	4	5	6	6	7	7	7	3
STANISLAUS	62	8	5	6	6	8	6	-	-	1	1	3	2
SUTTER	7	-	2	-	-	1	1	-	-	-	2	1	1
TEHAMA	5	-	-	-	-	-	-	-	-	-	-	-	-
TRINITY	-	-	-	-	-	-	-	-	-	-	-	-	-
TULARE	42	4	2	6	6	2	3	2	3	4	4	4	4
TUOLUMNE	-	-	-	-	-	-	-	-	-	-	-	-	-
VENTURA	58	6	7	5	1	2	5	4	3	5	1	1	4
YOLO	10	1	-	-	-	-	-	-	-	-	-	-	-
YUBA	9	3	1	-	-	-	-	-	-	-	-	-	1

- Represents zero events.

Source: State of California, Department of Health Services, Death Records.

¹ City Health Department numbers are included in their respective county totals.

TABLE 4-13. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE/ETHNIC GROUP¹ OF CHILD,
CALIFORNIA COUNTIES, 2002 (By Place of Residence)

COUNTY AND RACE/ETHNIC GROUP	INFANT ²			NEONATAL ³			POSTNEONATAL ⁴		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
CALIFORNIA	2,875	1,605	1,270	1,922	1,070	852	953	535	418
HISPANIC	1,374	746	628	927	501	426	447	245	202
NON-HISPANIC									
2 OR MORE RACE GROUPS	63	35	28	44	24	20	19	11	8
AMERICAN INDIAN	11	6	5	10	5	5	1	1	-
ASIAN	209	115	94	133	71	62	76	44	32
BLACK	378	212	166	236	133	103	142	79	63
PACIFIC ISLANDER	8	4	4	6	2	4	2	2	-
WHITE/OTHER	827	485	342	562	332	230	265	153	112
UNKNOWN	5	2	3	4	2	2	1	-	1
ALAMEDA	91	45	46	58	29	29	33	16	17
HISPANIC	26	15	11	18	11	7	8	4	4
NON-HISPANIC									
2 OR MORE RACE GROUPS	4	1	3	3	1	2	1	-	1
AMERICAN INDIAN	1	-	1	1	-	1	-	-	-
ASIAN	12	3	9	8	2	6	4	1	3
BLACK	25	14	11	11	6	5	14	8	6
PACIFIC ISLANDER	1	-	1	1	-	1	-	-	-
WHITE/OTHER	22	12	10	16	9	7	6	3	3
ALPINE	-	-	-	-	-	-	-	-	-
AMADOR	1	1	-	1	1	-	-	-	-
NON-HISPANIC									
WHITE/OTHER	1	1	-	1	1	-	-	-	-
BUTTE	18	9	9	11	4	7	7	5	2
HISPANIC	2	-	2	2	-	2	-	-	-
NON-HISPANIC									
BLACK	4	3	1	2	1	1	2	2	-
WHITE/OTHER	12	6	6	7	3	4	5	3	2
CALAVERAS	2	2	-	1	1	-	1	1	-
NON-HISPANIC									
WHITE/OTHER	2	2	-	1	1	-	1	1	-
COLUSA	2	1	1	2	1	1	-	-	-
HISPANIC	1	-	1	1	-	1	-	-	-
NON-HISPANIC									
WHITE/OTHER	1	1	-	1	1	-	-	-	-
CONTRA COSTA	55	28	27	35	17	18	20	11	9
HISPANIC	16	5	11	12	2	10	4	3	1
NON-HISPANIC									
2 OR MORE RACE GROUPS	2	-	2	2	-	2	-	-	-
ASIAN	5	4	1	4	3	1	1	1	-
BLACK	13	6	7	5	4	1	8	2	6
WHITE/OTHER	19	13	6	12	8	4	7	5	2
DEL NORTE	2	2	-	1	1	-	1	1	-
HISPANIC	2	2	-	1	1	-	1	1	-
EL DORADO	12	9	3	7	5	2	5	4	1
HISPANIC	1	1	-	1	1	-	-	-	-
NON-HISPANIC									
2 OR MORE RACE GROUPS	1	1	-	1	1	-	-	-	-
WHITE/OTHER	10	7	3	5	3	2	5	4	1
FRESNO	102	62	40	71	42	29	31	20	11
HISPANIC	60	40	20	41	27	14	19	13	6
NON-HISPANIC									
2 OR MORE RACE GROUPS	3	2	1	2	1	1	1	1	-
ASIAN	4	3	1	1	1	-	3	2	1
BLACK	14	5	9	11	5	6	3	-	3
WHITE/OTHER	21	12	9	16	8	8	5	4	1
GLENN	2	1	1	1	-	1	1	1	-
HISPANIC	1	-	1	1	-	1	-	-	-
NON-HISPANIC									
ASIAN	1	1	-	-	-	-	1	1	-

TABLE 4-13. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE/ETHNIC GROUP¹ OF CHILD,
CALIFORNIA COUNTIES, 2002 (By Place of Residence) - Cont.

COUNTY AND RACE/ETHNIC GROUP	INFANT ²			NEONATAL ³			POSTNEONATAL ⁴		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
HUMBOLDT	9	6	3	7	4	3	2	2	-
NON-HISPANIC									
AMERICAN INDIAN	3	1	2	3	1	2	-	-	-
WHITE/OTHER	6	5	1	4	3	1	2	2	-
IMPERIAL	10	5	5	9	5	4	1	-	1
HISPANIC	9	4	5	8	4	4	1	-	1
NON-HISPANIC									
WHITE/OTHER	1	1	-	1	1	-	-	-	-
INYO	-	-	-	-	-	-	-	-	-
KERN	76	43	33	47	25	22	29	18	11
HISPANIC	34	19	15	21	11	10	13	8	5
NON-HISPANIC									
2 OR MORE RACE GROUPS	3	2	1	2	1	1	1	1	-
ASIAN	3	2	1	1	1	-	2	1	1
BLACK	5	1	4	2	1	1	3	-	3
WHITE/OTHER	31	19	12	21	11	10	10	8	2
KINGS	15	5	10	13	4	9	2	1	1
HISPANIC	8	2	6	7	2	5	1	-	1
NON-HISPANIC									
2 OR MORE RACE GROUPS	1	1	-	-	-	-	1	1	-
WHITE/OTHER	6	2	4	6	2	4	-	-	-
LAKE	4	1	3	3	1	2	1	-	1
HISPANIC	2	1	1	2	1	1	-	-	-
NON-HISPANIC									
WHITE/OTHER	2	-	2	1	-	1	1	-	1
LASSEN	5	2	3	3	1	2	2	1	1
NON-HISPANIC	-	-	-	-	-	-	-	-	-
WHITE/OTHER	5	2	3	3	1	2	2	1	1
LOS ANGELES	825	461	364	538	294	244	287	167	120
HISPANIC	459	239	220	295	153	142	164	86	78
NON-HISPANIC									
2 OR MORE RACE GROUPS	8	5	3	6	3	3	2	2	-
ASIAN	61	36	25	35	20	15	26	16	10
BLACK	154	100	54	96	58	38	58	42	16
PACIFIC ISLANDER	1	-	1	1	-	1	-	-	-
WHITE/OTHER	140	80	60	103	59	44	37	21	16
UNKNOWN	2	1	1	2	1	1	-	-	-
MADERA	13	7	6	10	5	5	3	2	1
HISPANIC	10	6	4	7	4	3	3	2	1
NON-HISPANIC									
WHITE/OTHER	3	1	2	3	1	2	-	-	-
MARIN	10	3	7	7	3	4	3	-	3
HISPANIC	3	1	2	2	1	1	1	-	1
NON-HISPANIC									
BLACK	2	-	2	1	-	1	1	-	1
WHITE/OTHER	4	2	2	4	2	2	-	-	-
UNKNOWN	1	-	1	-	-	-	1	-	1
MARIPOSA	1	1	-	1	1	-	-	-	-
NON-HISPANIC									
WHITE/OTHER	1	1	-	1	1	-	-	-	-
MENDOCINO	8	4	4	5	3	2	3	1	2
HISPANIC	2	1	1	2	1	1	-	-	-
NON-HISPANIC									
AMERICAN INDIAN	1	1	-	1	1	-	-	-	-
WHITE/OTHER	5	2	3	2	1	1	3	1	2
MERCED	28	18	10	19	11	8	9	7	2
HISPANIC	17	11	6	14	8	6	3	3	-
NON-HISPANIC									
ASIAN	2	2	-	-	-	-	2	2	-
WHITE/OTHER	9	5	4	5	3	2	4	2	2

TABLE 4-13. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE/ETHNIC GROUP¹ OF CHILD,
CALIFORNIA COUNTIES, 2002 (By Place of Residence) - Cont.

COUNTY AND RACE/ETHNIC GROUP	INFANT ²			NEONATAL ³			POSTNEONATAL ⁴		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
MODOC	-	-	-	-	-	-	-	-	-
MONO	1	1	-	-	-	-	1	1	-
HISPANIC	1	1	-	-	-	-	1	1	-
MONTEREY	45	27	18	28	18	10	17	9	8
HISPANIC	29	16	13	17	9	8	12	7	5
NON-HISPANIC									
ASIAN	2	1	1	2	1	1	-	-	-
WHITE/OTHER	14	10	4	9	8	1	5	2	3
NAPA	6	1	5	6	1	5	-	-	-
HISPANIC	5	1	4	5	1	4	-	-	-
NON-HISPANIC									
WHITE/OTHER	1	-	1	1	-	1	-	-	-
NEVADA	2	1	1	1	1	-	1	-	1
NON-HISPANIC									
WHITE/OTHER	2	1	1	1	1	-	1	-	1
ORANGE	216	121	95	150	88	62	66	33	33
HISPANIC	120	63	57	83	47	36	37	16	21
NON-HISPANIC									
ASIAN	25	15	10	19	11	8	6	4	2
BLACK	3	1	2	3	1	2	-	-	-
WHITE/OTHER	68	42	26	45	29	16	23	13	10
PLACER	19	12	7	13	9	4	6	3	3
HISPANIC	4	3	1	1	1	-	3	2	1
NON-HISPANIC									
ASIAN	3	2	1	3	2	1	-	-	-
BLACK	1	-	1	1	-	1	-	-	-
WHITE/OTHER	11	7	4	8	6	2	3	1	2
PLUMAS	2	1	1	-	-	-	2	1	1
NON-HISPANIC									
WHITE/OTHER	2	1	1	-	-	-	2	1	1
RIVERSIDE	170	93	77	110	60	50	60	33	27
HISPANIC	87	52	35	50	30	20	37	22	15
NON-HISPANIC									
2 OR MORE RACE GROUPS	4	3	1	2	2	-	2	1	1
AMERICAN INDIAN	1	1	-	1	1	-	-	-	-
ASIAN	10	3	7	8	2	6	2	1	1
BLACK	12	4	8	8	2	6	4	2	2
WHITE/OTHER	55	29	26	40	22	18	15	7	8
UNKNOWN	1	1	-	1	1	-	-	-	-
SACRAMENTO	118	73	45	71	45	26	47	28	19
HISPANIC	28	16	12	20	10	10	8	6	2
NON-HISPANIC									
2 OR MORE RACE GROUPS	2	2	-	1	1	-	1	1	-
AMERICAN INDIAN	1	-	1	1	-	1	-	-	-
ASIAN	10	7	3	8	7	1	2	-	2
BLACK	24	14	10	12	9	3	12	5	7
PACIFIC ISLANDER	2	1	1	1	-	1	1	1	-
WHITE/OTHER	51	33	18	28	18	10	23	15	8
SAN BENITO	4	2	2	2	1	1	2	1	1
HISPANIC	3	2	1	2	1	1	1	1	-
NON-HISPANIC									
WHITE/OTHER	1	-	1	-	-	-	1	-	1
SAN BERNARDINO	226	110	116	145	73	72	81	37	44
HISPANIC	105	48	57	70	30	40	35	18	17
NON-HISPANIC									
2 OR MORE RACE GROUPS	4	2	2	3	1	2	1	1	-
AMERICAN INDIAN	2	2	-	2	2	-	-	-	-
ASIAN	9	3	6	5	3	2	4	-	4
BLACK	47	24	23	29	17	12	18	7	11
WHITE/OTHER	59	31	28	36	20	16	23	11	12

TABLE 4-13. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE/ETHNIC GROUP¹ OF CHILD,
CALIFORNIA COUNTIES, 2002 (By Place of Residence) - Cont.

COUNTY AND RACE/ETHNIC GROUP	INFANT ²			NEONATAL ³			POSTNEONATAL ⁴		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
SAN DIEGO	197	120	77	130	78	52	67	42	25
HISPANIC	71	43	28	49	28	21	22	15	7
NON-HISPANIC									
2 OR MORE RACE GROUPS	9	4	5	7	4	3	2	-	2
AMERICAN INDIAN	2	1	1	1	-	1	1	1	-
ASIAN	12	8	4	7	5	2	5	3	2
BLACK	33	20	13	24	16	8	9	4	5
PACIFIC ISLANDER	3	2	1	2	1	1	1	1	-
WHITE/OTHER	66	42	24	39	24	15	27	18	9
UNKNOWN	1	-	1	1	-	1	-	-	-
SAN FRANCISCO	38	20	18	24	12	12	14	8	6
HISPANIC	14	7	7	8	3	5	6	4	2
NON-HISPANIC									
2 OR MORE RACE GROUPS	4	2	2	3	2	1	1	-	1
ASIAN	7	3	4	4	2	2	3	1	2
BLACK	5	3	2	3	1	2	2	2	-
WHITE/OTHER	8	5	3	6	4	2	2	1	1
SAN JOAQUIN	74	34	40	60	28	32	14	6	8
HISPANIC	37	17	20	31	15	16	6	2	4
NON-HISPANIC									
ASIAN	5	4	1	4	3	1	1	1	-
BLACK	15	5	10	13	4	9	2	1	1
WHITE/OTHER	17	8	9	12	6	6	5	2	3
SAN LUIS OBISPO	7	3	4	6	2	4	1	1	-
HISPANIC	4	1	3	3	-	3	1	1	-
NON-HISPANIC									
2 OR MORE RACE GROUPS	1	-	1	1	-	1	-	-	-
WHITE/OTHER	2	2	-	2	2	-	-	-	-
SAN MATEO	40	21	19	31	17	14	9	4	5
HISPANIC	15	9	6	13	9	4	2	-	2
NON-HISPANIC									
2 OR MORE RACE GROUPS	2	2	-	2	2	-	-	-	-
ASIAN	3	2	1	1	-	1	2	2	-
BLACK	1	1	-	1	1	-	-	-	-
PACIFIC ISLANDER	1	1	-	1	1	-	-	-	-
WHITE/OTHER	18	6	12	13	4	9	5	2	3
SANTA BARBARA	26	14	12	18	10	8	8	4	4
HISPANIC	15	7	8	9	4	5	6	3	3
NON-HISPANIC									
2 OR MORE RACE GROUPS	1	-	1	1	-	1	-	-	-
BLACK	1	1	-	1	1	-	-	-	-
WHITE/OTHER	9	6	3	7	5	2	2	1	1
SANTA CLARA	97	47	50	73	36	37	24	11	13
HISPANIC	45	26	19	32	20	12	13	6	7
NON-HISPANIC									
2 OR MORE RACE GROUPS	3	2	1	3	2	1	-	-	-
ASIAN	22	10	12	15	6	9	7	4	3
BLACK	2	-	2	1	-	1	1	-	1
WHITE/OTHER	25	9	16	22	8	14	3	1	2
SANTA CRUZ	13	6	7	6	6	-	7	-	7
HISPANIC	8	4	4	4	4	-	4	-	4
NON-HISPANIC									
WHITE/OTHER	5	2	3	2	2	-	3	-	3
SHASTA	15	8	7	7	4	3	8	4	4
HISPANIC	1	-	1	-	-	-	1	-	1
NON-HISPANIC									
ASIAN	1	1	-	-	-	-	1	1	-
WHITE/OTHER	13	7	6	7	4	3	6	3	3

TABLE 4-13. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE/ETHNIC GROUP¹ OF CHILD,
CALIFORNIA COUNTIES, 2002 (By Place of Residence) - Cont.

COUNTY AND RACE/ETHNIC GROUP	INFANT ²			NEONATAL ³			POSTNEONATAL ⁴		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
SIERRA	-	-	-	-	-	-	-	-	-
SISKIYOU	-	-	-	-	-	-	-	-	-
SOLANO	46	29	17	33	19	14	13	10	3
HISPANIC	10	4	6	9	3	6	1	1	-
NON-HISPANIC									
2 OR MORE RACE GROUPS	4	1	3	2	1	1	2	-	2
ASIAN	4	2	2	3	1	2	1	1	-
BLACK	12	9	3	8	5	3	4	4	-
WHITE/OTHER	16	13	3	11	9	2	5	4	1
SONOMA	29	18	11	21	13	8	8	5	3
HISPANIC	8	4	4	7	3	4	1	1	-
NON-HISPANIC									
2 OR MORE RACE GROUPS	2	2	-	1	1	-	1	1	-
ASIAN	3	1	2	3	1	2	-	-	-
WHITE/OTHER	16	11	5	10	8	2	6	3	3
STANISLAUS	62	42	20	48	33	15	14	9	5
HISPANIC	33	22	11	26	18	8	7	4	3
NON-HISPANIC									
2 OR MORE RACE GROUPS	2	2	-	1	1	-	1	1	-
BLACK	2	1	1	2	1	1	-	-	-
WHITE/OTHER	25	17	8	19	13	6	6	4	2
SUTTER	7	4	3	4	1	3	3	3	-
HISPANIC	3	3	-	1	1	-	2	2	-
NON-HISPANIC									
ASIAN	3	1	2	2	-	2	1	1	-
WHITE/OTHER	1	-	1	1	-	1	-	-	-
TEHAMA	5	3	2	2	2	-	3	1	2
HISPANIC	2	1	1	1	1	-	1	-	1
NON-HISPANIC									
2 OR MORE RACE GROUPS	1	-	1	-	-	-	1	-	1
WHITE/OTHER	2	2	-	1	1	-	1	1	-
TRINITY	-	-	-	-	-	-	-	-	-
TULARE	42	32	10	25	18	7	17	14	3
HISPANIC	31	23	8	18	13	5	13	10	3
NON-HISPANIC									
WHITE/OTHER	11	9	2	7	5	2	4	4	-
TUOLUMNE	-	-	-	-	-	-	-	-	-
VENTURA	58	31	27	48	28	20	10	3	7
HISPANIC	35	20	15	29	19	10	6	1	5
NON-HISPANIC									
ASIAN	1	-	1	-	-	-	1	-	1
BLACK	2	-	2	2	-	2	-	-	-
WHITE/OTHER	20	11	9	17	9	8	3	2	1
YOLO	10	10	-	7	7	-	3	3	-
HISPANIC	5	5	-	3	3	-	2	2	-
NON-HISPANIC									
WHITE/OTHER	5	5	-	4	4	-	1	1	-
YUBA	9	5	4	3	2	1	6	3	3
HISPANIC	2	1	1	1	1	-	1	-	1
NON-HISPANIC									
2 OR MORE RACE GROUPS	2	1	1	1	-	1	1	1	-
ASIAN	1	1	-	-	-	-	1	1	-
BLACK	1	-	1	-	-	-	1	-	1
WHITE/OTHER	3	2	1	1	1	-	2	1	1

¹ The race/ethnic groups in this table provide a mutually exclusive list with Hispanic, 2 or more race groups, and single races. American Indian includes Eskimo and Aleut, Pacific Islander includes Hawaiian. These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

² Infant deaths are under one year of age.

³ Neonatal deaths are deaths under 28 days of age.

⁴ Postneonatal deaths are deaths occurring between the 28th day and the end of the first year of life.

- Represents zero events.

Source: State of California, Department of Health Services, Death Records.

TABLE 4-14. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE¹ OF CHILD, CALIFORNIA COUNTIES, 2002
(By Place of Residence)

COUNTY AND RACE	INFANT ²			NEONATAL ³			POSTNEONATAL ⁴		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
CALIFORNIA	2,875	1,605	1,270	1,922	1,070	852	953	535	418
2 OR MORE RACE GROUPS	85	49	36	57	33	24	28	16	12
AMERICAN INDIAN	14	8	6	12	7	5	2	1	1
BLACK	394	221	173	243	137	106	151	84	67
CAMBODIAN	5	2	3	3	1	2	2	1	1
CHINESE	38	22	16	24	14	10	14	8	6
ESKIMO/ALEUT	-	-	-	-	-	-	-	-	-
FILIPINO	66	37	29	41	24	17	25	13	12
GUAMANIAN	5	3	2	4	2	2	1	1	-
HAWAIIAN	-	-	-	-	-	-	-	-	-
HMONG	7	6	1	6	5	1	1	1	-
INDIAN (INDIA)	23	11	12	15	6	9	8	5	3
JAPANESE	9	4	5	5	1	4	4	3	1
KOREAN	12	7	5	3	3	-	9	4	5
LAOTIAN	5	5	-	1	1	-	4	4	-
SAMOAN	3	2	1	2	1	1	1	1	-
THAI	-	-	-	-	-	-	-	-	-
VIETNAMESE	30	12	18	24	9	15	6	3	3
WHITE	2,153	1,200	953	1,461	813	648	692	387	305
PACIFIC ISLANDER	3	1	2	3	1	2	-	-	-
OTHER ASIAN	14	9	5	11	7	4	3	2	1
OTHER	2	2	-	1	1	-	1	1	-
UNKNOWN	7	4	3	6	4	2	1	-	1
ALAMEDA	91	45	46	58	29	29	33	16	17
2 OR MORE RACE GROUPS	6	3	3	4	2	2	2	1	1
AMERICAN INDIAN	1	-	1	1	-	1	-	-	-
BLACK	25	14	11	11	6	5	14	8	6
CHINESE	4	-	4	2	-	2	2	-	2
FILIPINO	2	1	1	1	-	1	1	1	-
INDIAN (INDIA)	4	-	4	3	-	3	1	-	1
KOREAN	1	1	-	1	1	-	-	-	-
VIETNAMESE	1	1	-	1	1	-	-	-	-
WHITE	46	25	21	33	19	14	13	6	7
PACIFIC ISLANDER	1	-	1	1	-	1	-	-	-
ALPINE	-	-	-	-	-	-	-	-	-
AMADOR	1	1	-	1	1	-	-	-	-
WHITE	1	1	-	1	1	-	-	-	-
BUTTE	18	9	9	11	4	7	7	5	2
BLACK	4	3	1	2	1	1	2	2	-
WHITE	14	6	8	9	3	6	5	3	2
CALAVERAS	2	2	-	1	1	-	1	1	-
WHITE	2	2	-	1	1	-	1	1	-
COLUSA	2	1	1	2	1	1	-	-	-
WHITE	2	1	1	2	1	1	-	-	-
CONTRA COSTA	55	28	27	35	17	18	20	11	9
2 OR MORE RACE GROUPS	3	1	2	3	1	2	-	-	-
BLACK	13	6	7	5	4	1	8	2	6
CHINESE	2	2	-	1	1	-	1	1	-
FILIPINO	1	1	-	1	1	-	-	-	-
VIETNAMESE	1	-	1	1	-	1	-	-	-
WHITE	34	17	17	23	9	14	11	8	3
OTHER ASIAN	1	1	-	1	1	-	-	-	-
DEL NORTE	2	2	-	1	1	-	1	1	-
WHITE	2	2	-	1	1	-	1	1	-
EL DORADO	12	9	3	7	5	2	5	4	1
2 OR MORE RACE GROUPS	1	1	-	1	1	-	-	-	-
WHITE	11	8	3	6	4	2	5	4	1
FRESNO	102	62	40	71	42	29	31	20	11
2 OR MORE RACE GROUPS	5	3	2	3	1	2	2	2	-
AMERICAN INDIAN	1	-	1	-	-	-	1	-	1
BLACK	15	6	9	12	6	6	3	-	3
CAMBODIAN	1	-	1	-	-	-	1	-	1
FILIPINO	1	1	-	1	1	-	-	-	-
HMONG	1	1	-	-	-	-	1	1	-
INDIAN (INDIA)	1	1	-	-	-	-	1	1	-
WHITE	77	50	27	55	34	21	22	16	6

TABLE 4-14. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE¹ OF CHILD, CALIFORNIA COUNTIES, 2002
(By Place of Residence) - Cont.

COUNTY AND RACE	INFANT ²			NEONATAL ³			POSTNEONATAL ⁴		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
GLENN	2	1	1	1	-	1	1	1	-
LAOTIAN	1	1	-	-	-	-	1	1	-
WHITE	1	-	1	1	-	1	-	-	-
HUMBOLDT	9	6	3	7	4	3	2	2	-
AMERICAN INDIAN	3	1	2	3	1	2	-	-	-
WHITE	6	5	1	4	3	1	2	2	-
IMPERIAL	10	5	5	9	5	4	1	-	1
WHITE	10	5	5	9	5	4	1	-	1
INYO	-	-	-	-	-	-	-	-	-
KERN	76	43	33	47	25	22	29	18	11
2 OR MORE RACE GROUPS	3	2	1	2	1	1	1	1	-
BLACK	6	1	5	3	1	2	3	-	3
FILIPINO	3	2	1	1	1	-	2	1	1
WHITE	64	38	26	41	22	19	23	16	7
KINGS	15	5	10	13	4	9	2	1	1
2 OR MORE RACE GROUPS	1	1	-	-	-	-	1	1	-
WHITE	14	4	10	13	4	9	1	-	1
LAKE	4	1	3	3	1	2	1	-	1
WHITE	4	1	3	3	1	2	1	-	1
LASSEN	5	2	3	3	1	2	2	1	1
WHITE	5	2	3	3	1	2	2	1	1
LOS ANGELES	825	461	364	538	294	244	287	167	120
2 OR MORE RACE GROUPS	10	5	5	7	3	4	3	2	1
AMERICAN INDIAN	1	1	-	1	1	-	-	-	-
BLACK	159	103	56	98	60	38	61	43	18
CAMBODIAN	2	-	2	2	-	2	-	-	-
CHINESE	11	8	3	6	4	2	5	4	1
FILIPINO	30	18	12	20	13	7	10	5	5
INDIAN (INDIA)	1	-	1	1	-	1	-	-	-
JAPANESE	2	2	-	-	-	-	2	2	-
KOREAN	7	5	2	1	1	-	6	4	2
SAMOAN	2	1	1	2	1	1	-	-	-
VietNAMESE	5	3	2	3	2	1	2	1	1
WHITE	589	313	276	392	207	185	197	106	91
OTHER ASIAN	3	-	3	2	-	2	1	-	1
OTHER	1	1	-	1	1	-	-	-	-
UNKNOWN	2	1	1	2	1	1	-	-	-
MADERA	13	7	6	10	5	5	3	2	1
2 OR MORE RACE GROUPS	1	-	1	1	-	1	-	-	-
WHITE	12	7	5	9	5	4	3	2	1
MARIN	10	3	7	7	3	4	3	-	3
BLACK	2	-	2	1	-	1	1	-	1
WHITE	7	3	4	6	3	3	1	-	1
UNKNOWN	1	-	1	-	-	-	1	-	1
MARIPOSA	1	1	-	1	1	-	-	-	-
WHITE	1	1	-	1	1	-	-	-	-
MENDOCINO	8	4	4	5	3	2	3	1	2
AMERICAN INDIAN	1	1	-	1	1	-	-	-	-
WHITE	7	3	4	4	2	2	3	1	2
MERCED	28	18	10	19	11	8	9	7	2
BLACK	1	1	-	1	1	-	-	-	-
LAOTIAN	2	2	-	-	-	-	2	2	-
WHITE	25	15	10	18	10	8	7	5	2
MODOC	-	-	-	-	-	-	-	-	-
MONO	1	1	-	-	-	-	1	1	-
WHITE	1	1	-	-	-	-	1	1	-
MONTEREY	45	27	18	28	18	10	17	9	8
FILIPINO	2	1	1	2	1	1	-	-	-
WHITE	43	26	17	26	17	9	17	9	8
NAPA	6	1	5	6	1	5	-	-	-
WHITE	6	1	5	6	1	5	-	-	-

TABLE 4-14. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE¹ OF CHILD, CALIFORNIA COUNTIES, 2002
(By Place of Residence) - Cont.

COUNTY AND RACE	INFANT ²			NEONATAL ³			POSTNEONATAL ⁴		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
NEVADA	2	1	1	1	1	-	1	-	1
WHITE	2	1	1	1	1	-	1	-	1
ORANGE	216	121	95	150	88	62	66	33	33
BLACK	4	2	2	3	1	2	1	1	-
CAMBODIAN	1	1	-	1	1	-	-	-	-
CHINESE	7	5	2	7	5	2	-	-	-
FILIPINO	3	2	1	1	1	-	2	1	1
INDIAN (INDIA)	2	1	1	2	1	1	-	-	-
JAPANESE	2	1	1	1	-	1	1	1	-
VIETNAMESE	8	3	5	6	2	4	2	1	1
WHITE	187	104	83	128	76	52	59	28	31
OTHER ASIAN	2	2	-	1	1	-	1	1	-
PLACER	19	12	7	13	9	4	6	3	3
2 OR MORE RACE GROUPS	1	1	-	-	-	-	1	1	-
BLACK	1	-	1	1	-	1	-	-	-
HMONG	1	1	-	1	1	-	-	-	-
JAPANESE	2	1	1	2	1	1	-	-	-
WHITE	14	9	5	9	7	2	5	2	3
PLUMAS	2	1	1	-	-	-	2	1	1
WHITE	2	1	1	-	-	-	2	1	1
RIVERSIDE	170	93	77	110	60	50	60	33	27
2 OR MORE RACE GROUPS	5	4	1	3	3	-	2	1	1
AMERICAN INDIAN	1	1	-	1	1	-	-	-	-
BLACK	14	5	9	9	2	7	5	3	2
CHINESE	1	1	-	-	-	-	1	1	-
FILIPINO	4	1	3	4	1	3	-	-	-
KOREAN	1	-	1	-	-	-	1	-	1
VIETNAMESE	3	-	3	3	-	3	-	-	-
WHITE	139	79	60	88	51	37	51	28	23
OTHER ASIAN	1	1	-	1	1	-	-	-	-
UNKNOWN	1	1	-	1	1	-	-	-	-
SACRAMENTO	118	73	45	71	45	26	47	28	19
2 OR MORE RACE GROUPS	2	2	-	1	1	-	1	1	-
AMERICAN INDIAN	2	1	1	2	1	1	-	-	-
BLACK	25	14	11	13	9	4	12	5	7
CHINESE	2	1	1	1	1	-	1	-	1
FILIPINO	1	1	-	1	1	-	-	-	-
GUAMANIAN	1	1	-	-	-	-	1	1	-
HMONG	4	3	1	4	3	1	-	-	-
LAOTIAN	1	1	-	1	1	-	-	-	-
VIETNAMESE	1	-	1	-	-	-	1	-	1
WHITE	77	48	29	46	27	19	31	21	10
PACIFIC ISLANDER	1	-	1	1	-	1	-	-	-
OTHER ASIAN	1	1	-	1	1	-	-	-	-
SAN BENITO	4	2	2	2	1	1	2	1	1
WHITE	4	2	2	2	1	1	2	1	1
SAN BERNARDINO	226	110	116	145	73	72	81	37	44
2 OR MORE RACE GROUPS	5	2	3	3	1	2	2	1	1
AMERICAN INDIAN	2	2	-	2	2	-	-	-	-
BLACK	49	25	24	29	17	12	20	8	12
FILIPINO	3	1	2	1	1	-	2	-	2
INDIAN (INDIA)	1	-	1	-	-	-	1	-	1
JAPANESE	1	-	1	1	-	1	-	-	-
KOREAN	1	-	1	-	-	-	1	-	1
VIETNAMESE	1	1	-	1	1	-	-	-	-
WHITE	160	77	83	105	49	56	55	28	27
OTHER ASIAN	2	1	1	2	1	1	-	-	-
UNKNOWN	1	1	-	1	1	-	-	-	-
SAN DIEGO	197	120	77	130	78	52	67	42	25
2 OR MORE RACE GROUPS	15	9	6	11	7	4	4	2	2
AMERICAN INDIAN	2	1	1	1	-	1	1	1	-
BLACK	34	21	13	24	16	8	10	5	5
CAMBODIAN	1	1	-	-	-	-	1	1	-
CHINESE	2	2	-	2	2	-	-	-	-
FILIPINO	5	2	3	2	1	1	3	1	2
GUAMANIAN	2	1	1	2	1	1	-	-	-
KOREAN	1	1	-	1	1	-	-	-	-
LAOTIAN	1	1	-	-	-	-	1	1	-
SAMOAN	1	1	-	-	-	-	1	1	-
VIETNAMESE	2	1	1	2	1	1	-	-	-
WHITE	129	78	51	83	48	35	46	30	16
UNKNOWN	2	1	1	2	1	1	-	-	-

TABLE 4-14. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE¹ OF CHILD, CALIFORNIA COUNTIES, 2002
(By Place of Residence) - Cont.

COUNTY AND RACE	INFANT ²			NEONATAL ³			POSTNEONATAL ⁴		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
SAN FRANCISCO	38	20	18	24	12	12	14	8	6
	2 OR MORE RACE GROUPS	6	3	3	4	3	1	2	-
	BLACK	5	3	2	3	1	2	2	-
	CHINESE	4	1	3	3	1	2	-	1
	FILIPINO	1	1	-	-	-	1	1	-
	KOREAN	1	-	1	-	-	1	-	1
	WHITE	19	10	9	13	6	7	6	4
	OTHER ASIAN	1	1	-	1	1	-	-	-
	OTHER	1	1	-	-	-	1	1	-
SAN JOAQUIN	74	34	40	60	28	32	14	6	8
	BLACK	15	5	10	13	4	9	2	1
	HMONG	1	1	-	1	1	-	-	-
	INDIAN (INDIA)	3	2	1	2	1	1	1	-
	WHITE	54	25	29	43	21	22	11	7
	OTHER ASIAN	1	1	-	1	1	-	-	-
SAN LUIS OBISPO	7	3	4	6	2	4	1	1	-
	2 OR MORE RACE GROUPS	1	-	1	1	-	1	-	-
	WHITE	6	3	3	5	2	3	1	1
SAN MATEO	40	21	19	31	17	14	9	4	5
	2 OR MORE RACE GROUPS	4	3	1	3	3	-	1	1
	BLACK	1	1	-	1	1	-	-	-
	CHINESE	1	1	-	-	-	1	1	-
	FILIPINO	2	1	1	1	-	1	1	-
	GUAMANIAN	1	-	1	1	-	1	-	-
	WHITE	30	14	16	24	12	12	6	2
	PACIFIC ISLANDER	1	1	-	1	1	-	-	-
SANTA BARBARA	26	14	12	18	10	8	8	4	4
	2 OR MORE RACE GROUPS	1	-	1	1	-	1	-	-
	BLACK	1	1	-	1	1	-	-	-
	WHITE	24	13	11	16	9	7	8	4
SANTA CLARA	97	47	50	73	36	37	24	11	13
	2 OR MORE RACE GROUPS	3	2	1	3	2	1	-	-
	BLACK	2	-	2	1	-	1	-	1
	CHINESE	4	1	3	2	-	2	2	1
	FILIPINO	3	2	1	1	1	-	2	1
	INDIAN (INDIA)	6	4	2	4	3	1	2	1
	JAPANESE	1	-	1	1	-	1	-	-
	VIETNAMESE	7	3	4	6	2	4	1	1
	WHITE	70	35	35	54	28	26	16	7
	OTHER ASIAN	1	-	1	1	-	1	-	-
SANTA CRUZ	13	6	7	6	6	-	7	-	7
	WHITE	13	6	7	6	6	-	7	7
SHASTA	15	8	7	7	4	3	8	4	4
	BLACK	1	-	1	-	-	1	-	1
	WHITE	13	7	6	7	4	3	6	3
	OTHER ASIAN	1	1	-	-	-	1	1	-
SIERRA	-	-	-	-	-	-	-	-	-
SISKIYOU	-	-	-	-	-	-	-	-	-
SOLANO	46	29	17	33	19	14	13	10	3
	2 OR MORE RACE GROUPS	4	1	3	2	1	1	2	2
	BLACK	12	9	3	8	5	3	4	4
	FILIPINO	4	2	2	3	1	2	1	1
	WHITE	26	17	9	20	12	8	6	5
SONOMA	29	18	11	21	13	8	8	5	3
	2 OR MORE RACE GROUPS	2	2	-	1	1	-	1	-
	FILIPINO	1	-	1	1	-	1	-	-
	INDIAN (INDIA)	1	1	-	1	1	-	-	-
	VIETNAMESE	1	-	1	1	-	1	-	-
	WHITE	24	15	9	17	11	6	7	4
STANISLAUS	62	42	20	48	33	15	14	9	5
	2 OR MORE RACE GROUPS	2	2	-	1	1	-	1	1
	BLACK	2	1	1	2	1	1	-	-
	GUAMANIAN	1	1	-	1	1	-	-	-
	WHITE	57	38	19	44	30	14	13	5
SUTTER	7	4	3	4	1	3	3	3	-
	INDIAN (INDIA)	3	1	2	2	-	2	1	-
	WHITE	4	3	1	2	1	1	2	-

TABLE 4-14. INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY SEX AND RACE¹ OF CHILD, CALIFORNIA COUNTIES, 2002
(By Place of Residence) - Cont.

COUNTY AND RACE	INFANT ²			NEONATAL ³			POSTNEONATAL ⁴		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TEHAMA	5	3	2	2	2	-	3	1	2
	1	-	1	-	-	-	1	-	1
	4	3	1	2	2	-	2	1	1
TRINITY	-	-	-	-	-	-	-	-	-
TULARE	42	32	10	25	18	7	17	14	3
	1	1	-	1	1	-	-	-	-
	41	31	10	24	17	7	17	14	3
TUOLUMNE	-	-	-	-	-	-	-	-	-
VENTURA	58	31	27	48	28	20	10	3	7
	2	-	2	2	-	2	-	-	-
	1	-	1	-	-	-	1	-	1
	55	31	24	46	28	18	9	3	6
YOLO	10	10	-	7	7	-	3	3	-
	10	10	-	7	7	-	3	3	-
YUBA	9	5	4	3	2	1	6	3	3
	2	1	1	1	-	1	1	1	-
	1	-	1	-	-	-	1	-	1
	1	1	-	-	-	-	1	1	-
	5	3	2	2	2	-	3	1	2

¹ The list of races on this table is compiled by identifying decedents who were reported as being of 2 or more race groups before tabulating single races.
This list of races is not comparable with races used in Vital Statistics of California reports prior to 2000. See Chapter 6.

² Infant deaths are under one year of age.

³ Neonatal deaths are deaths under 28 days of age.

⁴ Postneonatal deaths are deaths occurring between the 28th day and the end of the first year of life.

- Represents zero events.

Source: State of California, Department of Health Services, Death Records.

TABLE 4-15. LEADING CAUSES OF INFANT DEATH, CALIFORNIA COUNTIES, 2002 (By Place of Residence)

COUNTY	TOTAL INFANT DEATHS A00-Y89	LEADING CAUSES OF INFANT DEATH						
		Congenital Malformations, Deformations, & Chromo- somal Abnormalities Q00-Q99	Disorders of Short Gestation & Low Birthweight P07	Sudden Infant Death Syndrome R95	Effect of Maternal Complications of Pregnancy P01	Complications of Placenta, Cord & Membrane P02	Respiratory Distress of Newborn P22	Diseases of Circulatory System I00-I99
CALIFORNIA	2,875	723	412	168	113	100	82	69
ALAMEDA	91	22	12	14	1	4	1	2
ALPINE	-	-	-	-	-	-	-	-
AMADOR	1	-	1	-	-	-	-	-
BUTTE	18	2	-	5	2	-	2	1
CALAVERAS	2	-	-	1	-	-	-	-
COLUSA	2	2	-	-	-	-	-	-
CONTRA COSTA	55	11	6	4	4	1	1	2
DEL NORTE	2	-	-	1	-	1	-	-
EL DORADO	12	-	4	2	-	1	-	-
FRESNO	102	22	16	7	3	5	2	1
GLENN	2	1	-	-	-	-	-	-
HUMBOLDT	9	-	-	1	2	1	-	-
IMPERIAL	10	2	-	-	-	-	2	-
INYO	-	-	-	-	-	-	-	-
KERN	76	17	9	6	4	1	6	-
KINGS	15	5	1	1	1	2	-	-
LAKE	4	2	-	1	-	-	-	-
LASSEN	5	-	-	-	-	-	-	-
LOS ANGELES	825	222	126	11	26	29	28	19
MADERA	13	2	2	-	1	1	-	-
MARIN	10	1	2	1	-	1	-	1
MARIPOSA	1	-	-	-	-	-	-	-
MENDOCINO	8	1	-	-	2	-	-	-
MERCED	28	6	3	1	2	4	2	-
MODOC	-	-	-	-	-	-	-	-
MONO	1	-	-	1	-	-	-	-
MONTEREY	45	17	7	5	1	1	1	-
NAPA	6	1	2	-	1	-	-	-
NEVADA	2	-	-	-	-	-	-	-
ORANGE	216	57	30	3	4	7	12	10
PLACER	19	2	4	2	-	1	-	-
PLUMAS	2	-	-	1	-	-	-	-
RIVERSIDE	170	37	21	5	3	7	2	6
SACRAMENTO	118	33	17	15	4	6	3	3
SAN BENITO	4	-	-	2	-	-	-	-
SAN BERNARDINO	226	60	40	13	15	3	3	4
SAN DIEGO	197	56	24	23	7	8	2	3
SAN FRANCISCO	38	6	10	2	2	-	-	2
SAN JOAQUIN	74	20	8	5	6	1	3	1
SAN LUIS OBISPO	7	3	-	-	-	1	-	-
SAN MATEO	40	9	7	1	3	1	1	3
SANTA BARBARA	26	12	2	1	-	2	1	1
SANTA CLARA	97	26	18	4	8	2	1	5
SANTA CRUZ	13	2	1	1	1	-	1	1
SHASTA	15	3	2	4	-	-	1	1
SIERRA	-	-	-	-	-	-	-	-
SISKIYOU	-	-	-	-	-	-	-	-
SOLANO	46	10	7	8	1	-	2	-
SONOMA	29	9	2	4	-	-	-	-
STANISLAUS	62	16	12	2	4	4	-	-
SUTTER	7	-	-	1	-	-	-	1
TEHAMA	5	-	1	2	-	-	-	-
TRINITY	-	-	-	-	-	-	-	-
TULARE	42	8	3	4	1	2	4	2
TUOLUMNE	-	-	-	-	-	-	-	-
VENTURA	58	15	10	2	3	3	1	-
YOLO	10	1	1	-	1	-	-	-
YUBA	9	2	1	1	-	-	-	-

- Represents zero events.

Note: Alphanumeric codes in the header are from the International Classification of Diseases, Tenth Revision, 1998.

Source: State of California, Department of Health Services, Death Records.

NOTES

5. MORTALITY

	Page
SUMMARY OF MORTALITY	120
GUIDE TO DEATH TABLES	128

TABLES

STATEWIDE DATA

5-1 Deaths, Death Rates, and Age-Adjusted Death Rates by Sex, California, 1990-2002	130
5-2 Deaths by Age, 1980-2002, and Age-Specific Death Rates, California, 1990-2002	131
5-3 Age-Specific Death Rates by Sex, California, 1992-2002	132
5-3A Age-Specific Death Rates by Sex for Hispanics , California, 1992-2002	133
5-4 Deaths and Age-Specific Death Rates by Sex, California, 2002.....	134
5-5 Deaths by Age, Sex, and Race/Ethnic Groups, California, 2002.....	135
5-6 Deaths by Age, Sex, and Race, California, 2002.....	136
5-7 Deaths, Death Rates, and Age-Adjusted Death Rates for Leading Causes of Death by Sex, California, 2000-2002	137
5-7A Deaths, Death Rates, and Age-Adjusted Death Rates for Leading Causes of Death by Sex for Hispanics , California, 2000-2002	138
5-8 Leading Causes of Death by Race/Ethnic Groups and Sex, California, 2002	139
5-9A Leading Causes of Male Deaths and Age-Specific Death Rates for Hispanic and Selected Non-Hispanic Single Race Groups, California, 2002	140
5-9B Leading Causes of Female Deaths and Age-Specific Death Rates for Hispanic and Selected Non-Hispanic Single Race Groups, California, 2002	143

STATEWIDE DATA (Cont.)

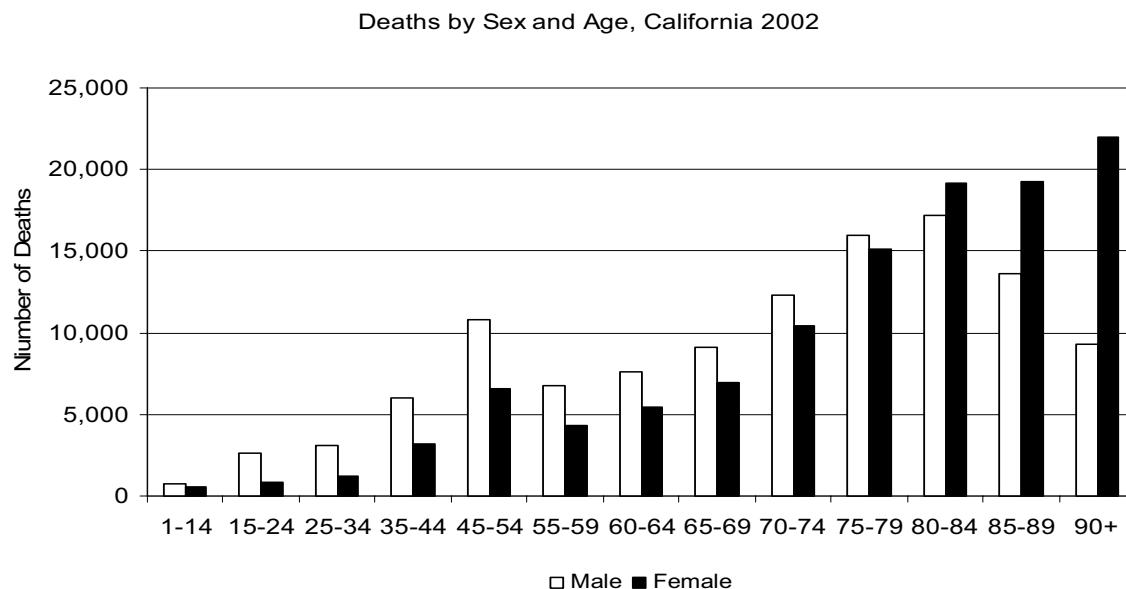
<u>TABLES</u>		
		Page
5-10 Ten Leading Causes of Death, Percent of Deaths, Death Rates, and Age-Adjusted Death Rates by Sex, California, 2002	146	
5-10A Ten Leading Causes of Death, Percent of Deaths, Death Rates, and Age-Adjusted Death Rates by Sex – Hispanic – California, 2002	147	
5-10B Ten Leading Causes of Death and Percent of Deaths by Sex – 2 or More Races – California, 2002	148	
5-10C Ten Leading Causes of Death and Percent of Deaths by Sex – American Indian – California, 2002.....	149	
5-10D Ten Leading Causes of Death and Percent of Deaths by Sex – Asian – California, 2002.....	150	
5-10E Ten Leading Causes of Death and Percent of Deaths by Sex – Black – California, 2002	151	
5-10F Ten Leading Causes of Death and Percent of Deaths by Sex – Pacific Islander – California, 2002	152	
5-10G Ten Leading Causes of Death and Percent of Deaths by Sex – White/Other – California, 2002	153	
5-11 Leading Causes of Death and Percent of Deaths by Race, California, 2002	154	
5-12 Selected Detail From the Leading Causes of Death by Sex and Race/Ethnic Group, California, 2002	155	
5-13 Nineteen Major Causes of Death, Death Rates, and Age-Adjusted Death Rates by Sex, California, 2002.....	156	
5-14 Nineteen Major Causes of Death by Race/Ethnic Group, California, 2002.....	157	
5-15 Major Causes of Death and Death Rates by Hispanic and Selected Non-Hispanic Single Race Groups, California, 2002.....	159	
5-15A Major Causes of Male Deaths and Death Rates by Hispanic and Selected Non-Hispanic Single Race Groups, California, 2002.....	161	
5-15B Major Causes of Female Deaths and Death Rates by Hispanic and Selected Non-Hispanic Single Race Groups, California, 2002.....	163	
5-16 Number and Percent of Deaths by Age, Years of Education, and Sex of Decedent, California, 2002	165	

COUNTY DATA

<u>TABLES</u>		<u>Page</u>
5-17	Deaths by Year of Death, California Counties, 1992-2002.....	166
5-18	Deaths by Age, California Counties and Selected City Health Departments, 2002.....	167
5-19	Deaths by Sex and Race/Ethnic Groups, California Counties and Selected City Health Departments, 2002.....	168
5-20	Deaths by Race, California Counties and Selected City Health Departments, 2002.....	169
5-21	Ten Leading Causes of Death, California Counties and Selected City Health Departments, 2002.....	171
5-22	Detailed Causes of Death, California Counties, 2002	172

SUMMARY OF MORTALITY

The number of deaths to California residents increased slightly in 2002 to 233,246 from 232,790 in 2001. During this period the number of male deaths increased by 768 to 116,768 deaths, while the number of female deaths decreased by 312 to 116,478 (Table 5-1).



The number of male deaths in 2002 continued to be greater than the number of female deaths in each age group from under 1 to 75-79 years old (Table 5-4). Of the leading causes of death, male deaths exceeded female deaths for cancer, accidents, cirrhosis, suicide, and homicide. Female deaths exceeded male deaths for heart diseases, stroke, chronic lower respiratory diseases (CLRD), influenza and pneumonia, diabetes, and Alzheimer's disease (Table 5-13).

In 2002 there were 30,958 Hispanic deaths, 13.3 percent of all deaths. Among the non-Hispanic decedents, there were 408 deaths of decedents with 2 or more race groups reported, 0.2 percent of all deaths. Among the remaining deaths with a single race group reported, there were 892 deaths of American Indian residents, 15,192 deaths of Asians, 18,402 deaths of Black residents, 569 deaths of Pacific Islanders, and 166,660 deaths of White residents (Table 5-5).

Among race groups that include residents of Hispanic origin in all race categories, there were 526 deaths of decedents with 2 or more race groups reported, 0.2 percent of all deaths. Among the remaining deaths with a single race reported, 197,084 deaths were White, 18,505 were Black, 4,382 were Chinese, 4,232 were Filipino, and 2,120 were Japanese. These five races comprised 97.0 percent of all deaths in 2002. There were 6,245 deaths in the 15 remaining races; race was not stated for 152 deaths (Table 5-6).

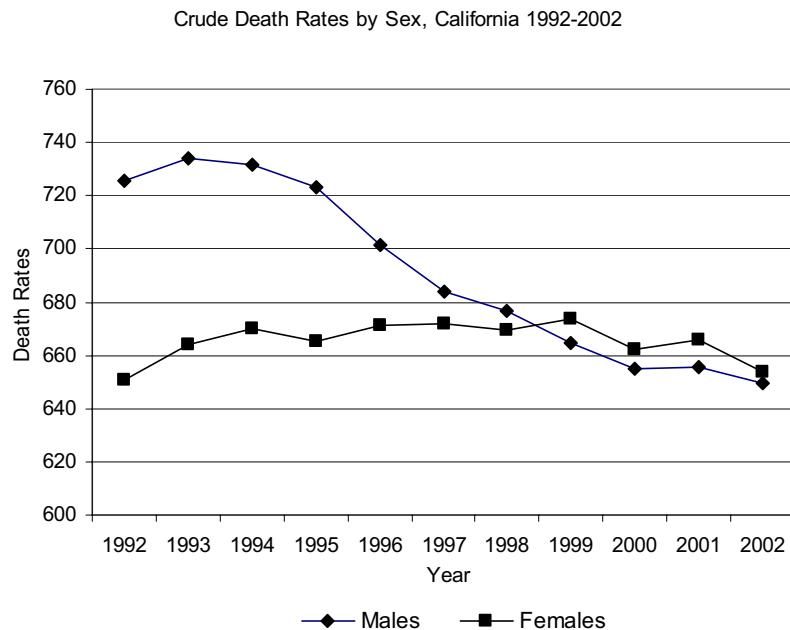
Crude Death Rates

Note: 2002 rates were calculated using population projections released December 1998.

The crude death rate for California residents in 2002 was 651.5, down from 660.7 deaths per 100,000 population in 2001 and down from the rate of 688.1 in 1992 (Table 5-1).

In 2002 the crude death rate for males was 649.3 per 100,000 male population, down 1.0 percent from 655.6 in 2001 and down 10.5 percent from the rate of 725.3 in 1992. The female crude death rate was 653.7 in 2002, down 1.8 percent from 665.9 in 2001 and up 0.5 percent from 650.7 in 1992 (Table 5-1).

Note: Crude death rates compare the number of deaths to the population without considering the different age-specific rates of death. These rates should not be used to evaluate trends over time or to compare rates by sex or race/ethnic groups. The chart to the right shows that male deaths have declined rapidly from 1993 to 2002 and female rates increased during 1993 to 1999, before turning down in 2000. However, the chart fails to show the differences related to age groups. For example, during this period there was a drop from high rates of death among young men, yet women continued to have lower age-specific death rates and more women survived to die at older ages.



Age-Specific Death Rates

Note: 2002 rates were calculated using population projections released December 1998. Population denominators were not available for the new race groups during preparation of this report.

The age-specific death rates for females decreased between 2001 and 2002 in all age groups. For males the rates decreased in the age groups of 1-4, 15-24, and 45-54 through 85 and over and increased in the age groups of 5-14, 25-34, and 35-44. For males the largest decrease was in the age group of 1-4, dropping 3.9 percent. For females the largest decrease was in the age group of 15-24, down 5.0 percent. The largest increase for males was in the age group of 5-14, up 2.0 percent (Table 5-3).

Male age-specific death rates were higher than the female age-specific death rates for all age groups in 2002. The largest differences by gender were in the age groups 20-24 and 25-29, where males were 3.4 and 2.9 times as likely to die as females in the same age group. Males aged 15-19 were 2.6 times more likely to die than were females in this age group (Table 5-4).

Among Hispanics, the male age-specific death rates were higher than the female age-specific death rates in 2002 in all age groups. The largest differences by gender were for residents in the age groups 15-24 and 25-34, where Hispanic males were 4.0 and 2.9 times as likely to die as Hispanic females in the same age group (Table 5-3A).

Trends in Age-Specific Death Rates by Sex

Note: 1999 -2002 rates were calculated using population projections released December 1998. Please see Chapter 4 for infant mortality data.

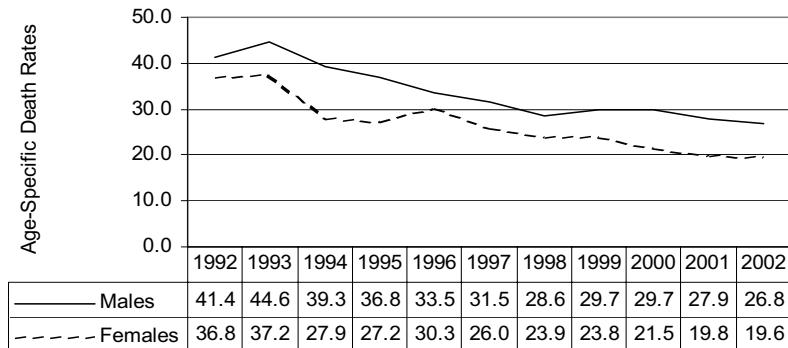
Over the period 1992-2002, male and female death rates by 10-year age groups decreased in all age groups. Although the rate of decline for male rates was greater than for female rates, the age-specific death rates for males remained higher than the rates for females in all 10-year age groups (Table 5-3).

The male death rate for the age group of **1-4** years dropped 35.3 percent during the period of 1992-2002. The female rate dropped 46.7 percent. The age-specific death rate for males decreased from 41.4 deaths per 100,000 male population in 1992 to 26.8 in 2002. The female death rate decreased from 36.8 in 1992 to 19.6 in 2002.

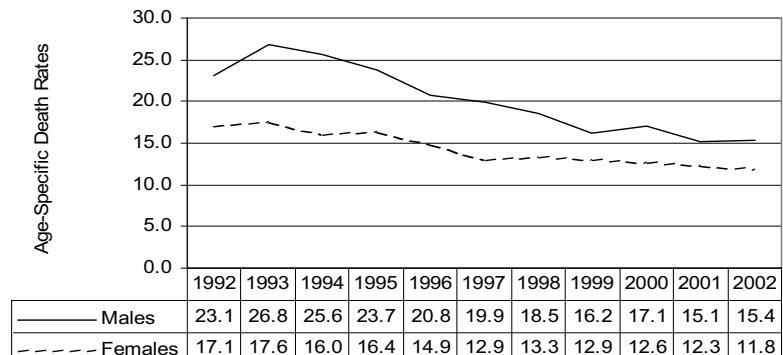
During the period 1992-2002, the male death rate for the age group **5-14** years dropped 33.3 percent, while the female rate dropped 31.0 percent. The age-specific death rate for males dropped from 23.1 deaths per 100,000 male population aged 5-14 years in 1992 to 15.4 in 2002. The female death rate dropped from 17.1 to 11.8.

The male death rate for the age group **15-24** years dropped 29.8 percent between 1992 and 2002 and female rates dropped 20.6 percent. The age-specific death rate for males dropped from 148.7 in 1992 to 96.5 in 2000 and rose to 104.4 deaths per 100,000 male population in 2002. The female death rate dropped from 43.3 in 1992 to 32.7 in 2000, rose to 36.2 in 2001, then dropped to 34.4 in 2002.

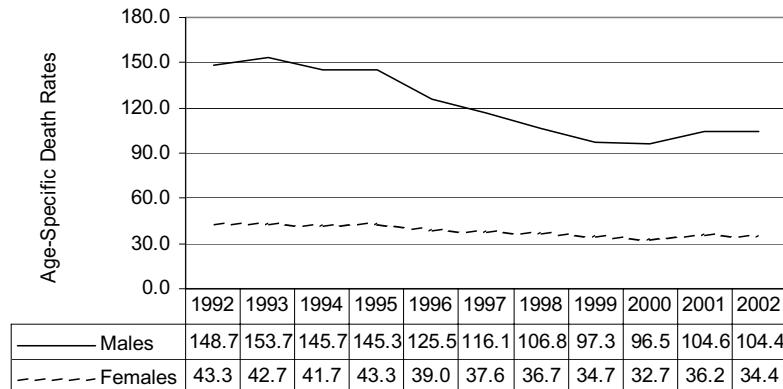
Death Rates, Ages 1-4 Years by Sex, California 1992-2002



Death Rates, Ages 5-14 By Sex, California 1992-2002

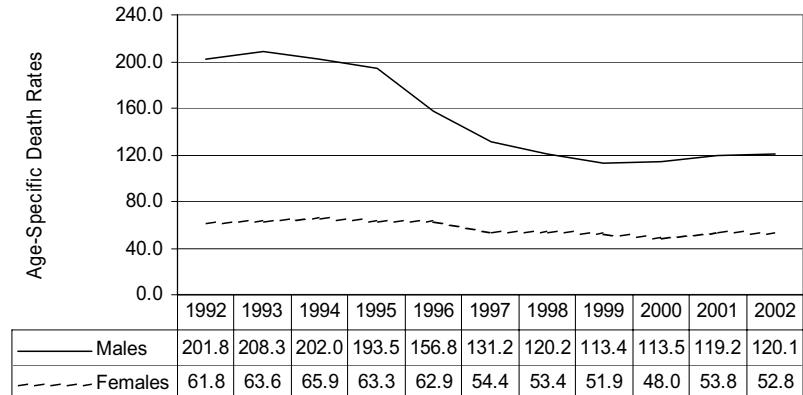


Death Rates, Ages 15-24 Years By Sex, California 1992-2002



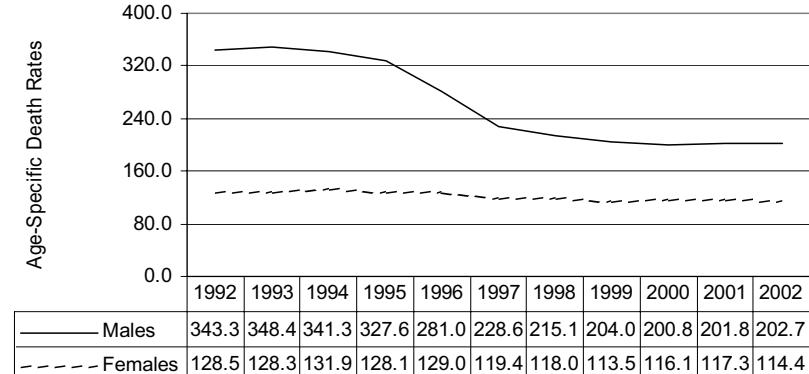
The male death rate for the age group **25-34** years dropped 40.5 percent from the 1992 level, while the female rate dropped 14.6 percent. For males, this rate dropped from 201.8 deaths per 100,000 population in 1992 to 113.4 in 1999, moving up to 120.1 in 2002. The female death rate rose from 61.8 in 1992 to 65.9 in 1994 then dropped to 48.0 in 2000 and rose to 52.8 in 2002.

Death Rates, Ages 25-34 Years By Sex, California 1992-2002



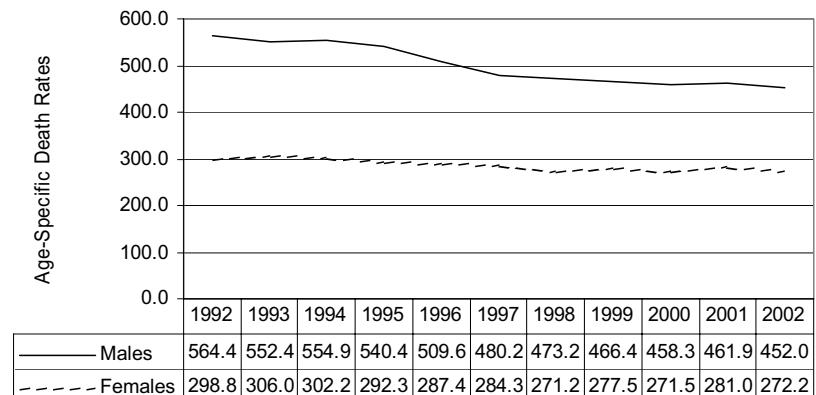
Male death rates for the age group **35-44** years dropped 41.0 percent from 343.3 per 100,000 population in this age group in 1992 to 202.7 in 2002, with a low of 200.8 in 2000. Female death rates dropped 11.0 percent from 128.5 to 114.4 during this period, with a low of 113.5 in 1999.

Death Rates, Ages 35-44 Years By Sex, California 1992-2002



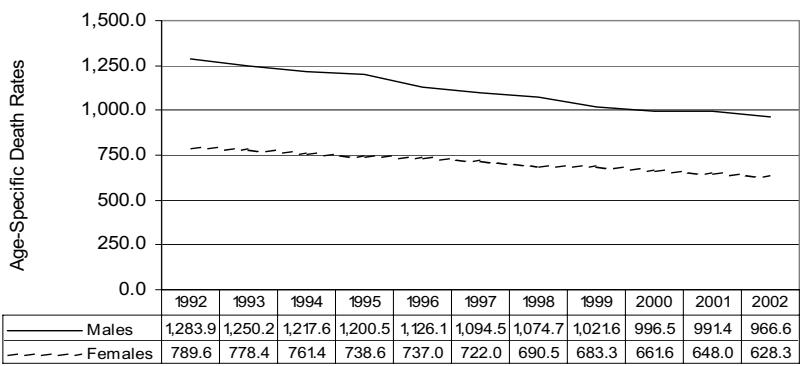
Male death rates for the age group **45-54** years were down 19.9 percent between 1992 and 2002, while female rates fell 8.9 percent. Male age-specific death rates dropped from 564.4 in 1992 to 452.0 in 2002. Female death rates dropped from 298.8 to 272.2, with a low of 271.2 in 1998.

Death Rates, Ages 45-54 Years By Sex, California 1992-2002



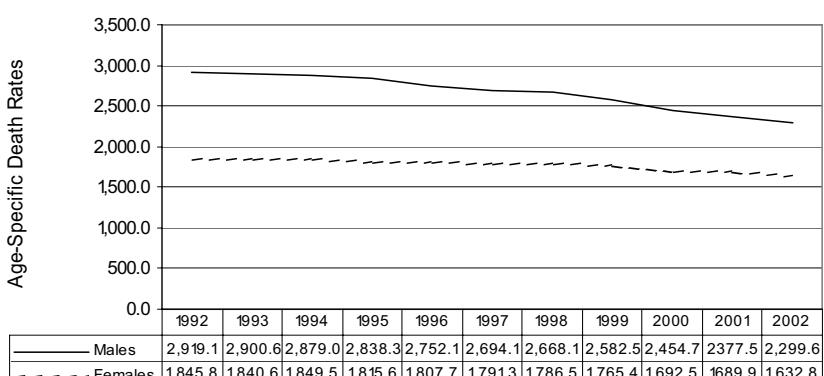
Death Rates, Ages 55-64 Years By Sex, California 1992-2002

Male death rates for the age group **55-64** years dropped 24.7 percent between 1992 and 2002, while female rates were down 20.4 percent. Male age-specific death rates dropped from 1,283.9 in 1992 to 966.6 in 2002. Female death rates dropped from 789.6 to 628.3.



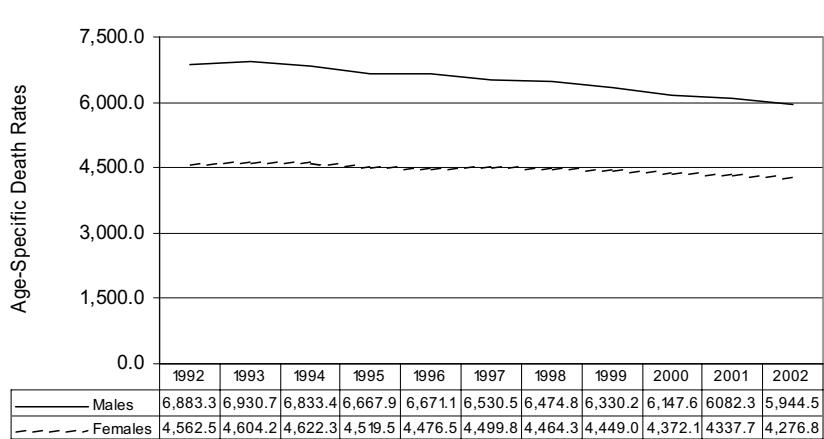
Death Rates, Ages 65-74 Years By Sex, California 1992-2002

Male death rates for the age group **65-74** years were down 21.2 percent from 2,919.1 deaths per 100,000 population in this group in 1992 to 2,299.6 in 2002. Female death rates were down 11.5 percent from 1,845.8 to 1,632.8.



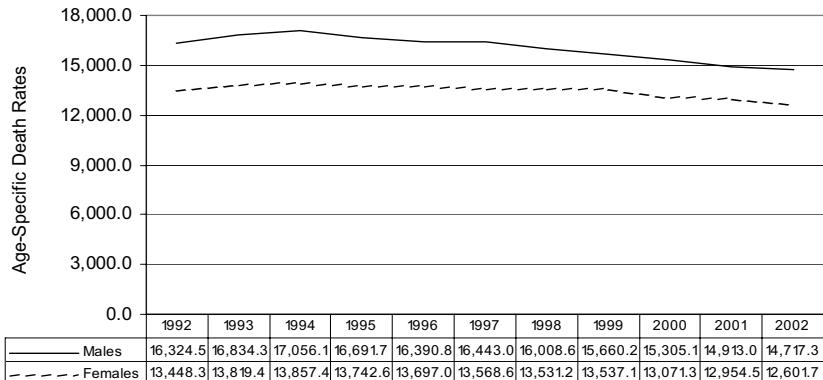
Death Rates, Ages 75-84 Years By Sex, California 1992-2002

Male death rates for the age group **75-84** years dropped 13.6 percent from 6,883.3 deaths per 100,000 population in this age group in 1992 to 5,944.5 in 2002. Female death rates were down 6.3 percent during this period. The female death rate rose from 4,562.5 in 1992 to a high of 4,622.3 in 1994 and fell to 4,276.8 in 2002.



Death Rates, Ages 85 Years And Over By Sex, California 1992-2002

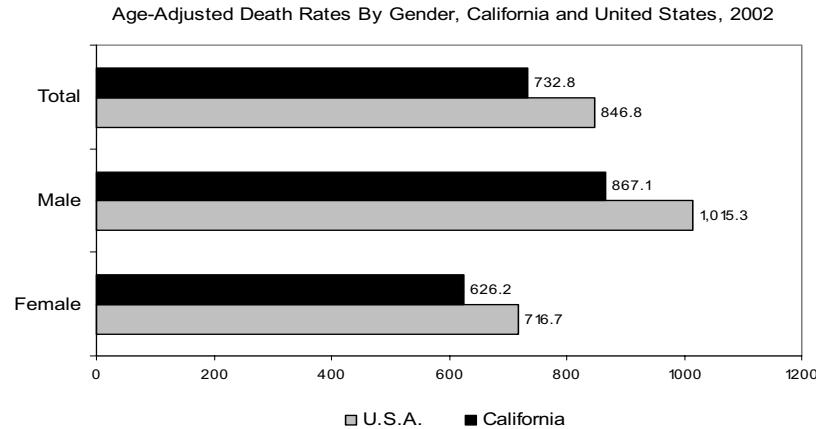
Male death rates for the age group **85 years and over** dropped 9.8 percent between 1992 and 2002. The male death rate rose from 16,324.5 in 1992 to 17,056.1 in 1994 before dropping to 14,717.3 in 2002. Female death rates were down 6.3 percent from 13,448.3 to 12,601.7, with a high of 13,857.4 in 1994.



Age-Adjusted Death Rates

Note: Age-adjusted rates are used to compare the mortality risk across sex, age, and race/ethnic groups and to compare mortality risk over time. These are indices rather than actual measures of mortality and are not comparable to other rates. The 2002 rates were calculated using California Department of Finance population projections released December 1998. All age-adjusted rates were calculated using the Year 2000 U.S. standard population.

The 2002 age-adjusted death rate for California residents was 732.8 deaths per 100,000 population. This compares to an age-adjusted rate of 846.8 for the United States. California's rate was down 2.2 percent from the 749.3 rate in 2001 and down 14.1 percent from the rate of 853.5 in 1992 (Table 5-1 and Table 1-7).



The age-adjusted death rate for California males in 2002 was 867.1 deaths per 100,000 population, 38.5 percent higher than the age-adjusted death rate for California females, 626.2. Both rates were lower than the age-adjusted rates of 1,015.3 for males and 716.7 for females for the United States in 2002.

Leading Causes of Death

Note: 1999-2002 rates were calculated using population projections released December 1998. Causes of death for 1999-2002 were coded using the International Classification of Diseases, Tenth Revision (ICD-10) and are not comparable to data coded under the ICD- 9.

The ten leading causes of death in 2002 accounted for 81.3 percent of all deaths (Table 5-10). The total number of deaths of California residents increased 0.2 percent from 232,790 in 2001 to 233,246 in 2002.

Leading Causes of Death and Age-Adjusted Rates, California 2002

Rank	Cause of Death	Total Deaths		Age-Adjusted Rates			Male/ Female Ratio
		Number	Percent	Total	Males	Females	
	All Causes	233,246	100.0	732.8	867.1	626.2	1.4
1.	Heart Disease	68,387	29.3	218.2	265.9	180.5	1.5
2.	Cancer	53,926	23.1	169.6	201.5	148.4	1.4
3.	Stroke	17,551	7.5	56.3	57.0	55.3	1.0
4.	Lung Disease (CLRD)	12,643	5.4	40.7	46.7	37.0	1.3
5.	Accidents	9,882	4.2	28.8	40.0	18.1	2.2
6.	Influenza/Pneumonia	8,098	3.5	26.0	31.3	22.7	1.4
7.	Diabetes	6,783	2.9	21.5	24.4	19.3	1.3
8.	Alzheimer's Disease	5,405	2.3	17.5	14.9	18.9	0.8
9.	Cirrhosis	3,725	1.6	11.1	15.3	7.2	2.1
10.	Suicide	3,210	1.4	9.4	15.3	4.1	3.7

In 2002 the ranking of the ten leading causes of death was unchanged from 2001. In 2002 there were 617 fewer deaths from heart disease, down 0.9 percent. There were 527 fewer deaths from stroke, down 2.9 percent. There were 413 fewer deaths from Chronic Lower Respiratory Disease (CLRD), down 3.2 percent. Influenza and pneumonia decreased by 69 deaths, 0.8 percent. Cirrhosis and suicide decreased 34 and 46 deaths respectively (0.9 and 1.4 percent). The number of deaths in 2002 increased for each of the other ten leading causes. Alzheimer's disease had the largest increase, up 10.4 percent (Table 5-7).

Based on the comparison of age-adjusted rates, the risk of mortality for males was higher than the risk for females for nine leading causes. The female risk of death exceeded the male risk in 2002 for Alzheimer's disease. The male risk of mortality was 2.2 and 3.7 times the risk for females for accidents and self-harm/suicide, respectively.

Leading Causes of Death for Males and Females in 2002

Rank	Male Causes	Deaths	Rank	Female Causes	Deaths
1.	Heart Disease	33,955	1.	Heart Disease	34,432
2.	Cancer	27,459	2.	Cancer	26,467
3.	Stroke	7,043	3.	Stroke	10,508
4.	Accidents	6,634	4.	Lung Disease (CLRD)	6,764
5.	Lung Disease (CLRD)	5,879	5.	Influenza/Pneumonia	4,401
6.	Influenza/Pneumonia	3,697	6.	Alzheimer's Disease	3,725
7.	Diabetes	3,307	7.	Diabetes	3,476
8.	Self-Harm (Suicide)	2,500	8.	Accidents	3,248
9.	Cirrhosis	2,458	9.	Hypertension	1,419
10.	Assault (Homicide)	2,041	10.	Cirrhosis	1,267

Heart disease, cancer, stroke, and diabetes were the first, second, third, and seventh leading causes of death for both males and females, accounting for 61.5 percent of male deaths and 64.3 percent of female deaths in 2002. Beyond these four causes of death, the ranking of leading causes differs for males and females. Accidents were the fourth leading cause of death for males and the eighth cause

for females. CLRD and influenza/pneumonia were the fourth and fifth leading causes for females and the fifth and sixth for males. Suicide ranked eighth for males and was not among the ten leading causes for females. Cirrhosis was the ninth leading cause for males and tenth leading cause for females. Alzheimer's disease and hypertension ranked sixth and ninth for females and were not among the leading causes for males.

Leading Causes of Death by Sex and Age

Accidents were the leading cause of death for males and females ages 1-4 and in the 5-year age groups from 5-24 years. Accidents were also the leading cause of death for males in the 10-year age groups from 25-44 years and for females 25-34 years. Accidents were the second leading cause of death for females aged 35-44 (Tables 5-9A and 5-9B).

Cancer was the leading cause of death for females in the 10-year age groups, spanning 35 to 74 years and for males, from 55 to 74 years. Cancer was the second leading cause for males in the five-year age groups 5-9 and 10-14 and for females in the 5-year age groups from 1-14 years. Cancer was also the second leading cause of death for males ages 45-54 and 75 years and over and for females ages 75-84.

Heart disease was the leading cause of death for males ages 45-54 and ages 75 and over and for females ages 75 and over.

Assault was the second leading cause for males in the five-year age groups from 15-24 and for males in the 10-year age group 25-34 years and for females 15-24 years.

Deaths by Educational Attainment

Of the total 233,246 decedents in 2002, 26.3 percent had completed less than 12 years of education, 38.6 percent had completed 12 years of education, and 35.1 percent had completed 13 years or more education at the time of their deaths (Table 5-16). By gender, 35.5 percent of the male decedents had completed 12 years of education compared with 41.7 percent of the female decedents. More males completed 13 or more years of education than females, 38.8 percent compared with 31.4 percent. More female decedents (26.9 percent) than male decedents (25.7 percent) had completed less than 12 years of education.

GUIDE TO DEATH TABLES IN VITAL STATISTICS OF CALIFORNIA, 2002

		TABLE PAGE	5-1 130	5-2 131	5-3 132	5-3A 133	5-4 134	5-5 135	5-6 136	5-7 137	5-7A 138	5-8 139	5-9A 140	5-9B 143	5-10 146	5-10A 147	5-10B 148	5-10C 149	5-10D 150
GEOGRAPHIC AREA																			
California																			
California Counties																			
Selected City Health Departments																			
TYPES OF ANALYSES																			
Death Rates																			
Age-Adjusted Death Rates																			
Age-Specific Death Rates																			
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Race																			
Race/Ethnic Groups																			
Detailed Causes of Death																			
Selected Detail of Leading Causes																			
Two or More Races Only																			
White/Other Only																			

GUIDE TO DEATH TABLES IN VITAL STATISTICS OF CALIFORNIA, 2002 - Continued

	TABLE	5-10E	5-10F	5-10G	5-11	5-12	5-13	5-14	5-15	5-15A	5-15B	5-16	5-17	5-18	5-19	5-20	5-21	5-22
	PAGE	151	152	153	154	155	156	157	159	161	163	165	166	167	168	169	171	172
GEOGRAPHIC AREA																		
California																		
California Counties																		
Selected City Health Departments																		
TYPES OF ANALYSES																		
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Selected Detail of Leading Causes																		
Two or More Races Only																		
White/Other Only																		

TABLE 5-1. DEATHS, DEATH RATES, AND AGE-ADJUSTED DEATH RATES BY SEX, CALIFORNIA, 1990-2002 (By Place of Residence)
 (Rates are per 100,000 population in specified groups. Age-adjusted rates are calculated using Year 2000 U.S. standard population.)

YEAR	DEATHS			DEATH RATES			AGE-ADJUSTED DEATH RATES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
2002	233,246	116,768	116,478	651.5	649.3	653.7	732.8	867.1	626.2
2001	232,790	116,000	116,790	660.7	655.6	665.9	749.3	884.5	642.1
2000	228,281	114,005	114,276	658.8	655.2	662.3	755.3	897.0	644.6
1999	227,965	113,624	114,341	669.1	664.5	673.7	776.8	922.8	663.0
1998	225,450	113,639	111,811	673.1	676.6	669.6	790.6	951.2	667.0
1997	223,438	113,026	110,412	678.0	684.0	671.9	802.5	970.2	674.8
1996	222,308	113,873	108,435	686.5	701.7	671.2	820.1	1000.1	681.8
1995	222,626	116,199	106,427	694.3	723.4	665.2	839.9	1037.6	686.6
1994	222,854	116,504	106,350	701.0	731.8	670.2	857.2	1061.4	700.3
1993	220,271	115,824	104,447	698.9	733.9	663.8	860.9	1069.7	700.1
1992	214,586	113,273	101,313	688.1	725.3	650.7	853.5	1062.5	692.4
1991	214,220	113,107	101,113	700.9	739.2	662.5	875.4	1092.4	709.9
1990	213,766	112,736	101,030	713.9	752.1	675.7	898.7	1120.6	730.0

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance, 1990-1996 Population Estimates with Age and Sex Detail, January 1998; 1997 Population Estimates by Age, Sex, and Race/Ethnic Group, June 1999; 1998 Population Estimates by Age, Sex, and Race/Ethnic Groups, May 2000; 1999-2002 Population: 1999-2002 Population Projections by Age, Sex, and Race/Ethnic Detail, December 1998.

TABLE 5-2. DEATHS BY AGE, 1980-2002, AND AGE-SPECIFIC DEATH RATES, 1990-2002, CALIFORNIA (By Place of Residence)
(Rates are per 100,000 population in specified groups.)

YEAR	ALL AGES	AGE IN YEARS										NOT STATED		
		UNDER 1 YEAR	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 AND OVER
		NUMBER OF DEATHS												
2002	233,246	2,875	526	355	435	1,448	2,004	4,302	9,209	17,344	24,135	38,849	67,472	64,222
2001	232,790	2,815	537	365	413	1,431	1,978	4,344	9,261	17,342	23,345	39,705	67,570	63,579
2000	228,281	2,884	572	365	465	1,277	1,759	4,131	9,168	16,284	22,740	40,001	66,557	61,970
1999	227,965	2,787	595	356	437	1,288	1,720	4,296	9,109	15,907	22,454	41,620	66,388	60,926
1998	225,450	2,994	581	372	470	1,378	1,804	4,623	9,453	15,349	22,304	42,621	65,285	58,118
1997	223,438	3,091	647	408	437	1,511	1,853	5,034	9,656	15,156	21,973	42,887	64,116	56,584
1996	222,308	3,186	734	398	483	1,586	1,961	6,025	11,137	15,134	21,855	43,635	62,225	53,856
1995	222,626	3,478	757	450	527	1,734	2,372	7,215	12,113	15,133	22,289	44,421	60,322	51,741
1994	222,854	3,948	790	456	519	1,770	2,385	7,647	12,315	14,912	22,481	45,014	60,099	50,432
1993	220,271	3,970	934	475	543	1,811	2,652	7,875	12,151	14,304	22,826	45,079	58,916	48,635
1992	214,586	4,174	850	394	506	1,778	2,678	7,735	11,761	13,684	23,235	45,006	56,970	45,688
1991	214,220	4,596	872	450	520	1,943	2,769	7,726	11,317	13,251	23,796	45,031	56,654	45,115
1990	213,766	4,828	933	436	494	1,819	2,910	8,125	10,835	13,107	24,437	45,196	55,890	44,594
1989	215,930	4,853	923	467	462	1,856	2,744	8,152	10,527	12,931	25,469	45,629	56,571	45,186
1988	215,185	4,559	881	500	453	1,784	2,773	7,595	9,713	12,531	26,352	46,433	56,570	44,876
1987	209,395	4,530	914	466	438	1,770	2,853	7,476	9,071	12,167	26,487	45,374	54,476	43,212
1986	202,826	4,298	850	426	462	1,831	2,911	7,459	8,596	11,769	26,495	44,975	52,035	40,535
1985	201,815	4,475	885	439	449	1,677	2,834	6,713	7,664	11,648	21,077	44,395	52,433	40,968
1984	195,470	4,212	866	400	484	1,663	2,851	6,355	7,135	11,494	27,303	43,453	50,422	38,583
1983	188,018	4,226	873	445	477	1,608	2,699	5,828	6,470	11,586	27,011	41,733	48,241	36,670
1982	188,255	4,218	819	408	499	1,738	2,937	5,954	6,288	12,039	27,332	42,472	47,752	35,682
1981	184,732	4,276	874	418	523	1,942	3,014	6,070	6,100	12,364	26,870	41,391	46,104	34,646
1980	186,428	4,451	819	475	540	2,255	3,190	5,971	6,148	6,148	12,657	27,173	41,608	34,613
		AGE-SPECIFIC DEATH RATES												
2002	651.5	a	23.3	12.3	15.1	58.2	83.8	88.2	159.8	361.7	793.4	1,943.5	4,960.1	13,283.0
2001	660.7	a	23.9	12.4	15.1	59.1	84.8	88.3	160.6	371.0	815.5	2,008.8	5,051.8	13,580.1
2000	658.8	a	25.7	12.2	18.0	53.8	82.5	82.6	159.4	364.4	824.8	2,043.5	5,098.4	13,778.4
1999	669.1	a	26.8	12.0	17.6	55.9	79.4	84.4	159.7	371.3	848.0	2,139.1	5,217.0	14,201.3
1998	673.1	a	26.3	12.9	19.6	61.7	84.9	88.7	167.5	371.5	877.4	2,187.0	5,279.7	14,296.5
1997	678.0	a	28.8	14.7	18.6	69.4	87.8	95.1	174.9	381.5	903.2	2,199.7	5,320.2	14,450.7
1996	686.5	a	31.9	15.1	21.2	75.2	93.0	112.5	206.2	397.6	926.1	2,233.0	5,356.4	14,511.9
1995	694.3	a	32.1	17.2	23.4	85.0	107.5	131.9	229.2	415.3	962.7	2,273.7	5,375.7	14,625.2
1994	701.0	a	33.8	18.8	23.3	88.5	103.1	137.3	237.8	427.5	982.4	2,308.9	5,500.2	14,807.2
1993	698.9	a	40.9	20.0	24.9	91.2	109.5	139.2	239.4	428.3	1,006.3	2,312.8	5,524.1	14,711.7
1992	688.1	a	39.1	16.9	23.8	88.6	107.6	134.7	236.8	430.7	1,027.5	2,323.5	5,476.1	14,299.5
1991	700.9	a	43.0	19.8	25.2	96.1	109.4	134.7	233.8	442.7	1,059.3	2,367.6	5,608.8	14,748.2
1990	713.9	a	48.0	19.6	24.9	86.6	114.4	142.2	234.0	453.8	1,091.9	2,433.7	5,716.3	15,199.9

a See Chapter 4 for infant mortality rates.

Source: State of California, Department of Health Services, Death Records.
State of California, Department of Finance, 1990-1996 Population Estimates with Age and Sex Detail, January 1998; 1997 Population Estimates by Age, Sex and Race/Ethnic Group, June 1999; 1998 Population Estimates by age, Sex, and Race/Ethnic Group, May 2000; 1999-2002 Population: 1999-2002 Population Projections by Age, Sex, and Race/Ethnic Detail, December 1998.

TABLE 5-3. AGE-SPECIFIC DEATH RATES BY SEX, CALIFORNIA, 1992-2002 (By Place of Residence)
(Rates are per 100,000 population in specified groups.)

SEX AND AGE	YEAR						2001	2002	% Change
	1992	1993	1994	1995	1996	1997			
TOTAL									
1-4	39.1	40.9	33.8	32.1	31.9	28.8	26.3	25.7	23.3
5-14	20.2	22.3	20.9	20.1	17.9	16.5	15.9	14.6	13.7
15-24	99.1	101.3	96.3	96.7	84.1	78.5	73.0	67.2	71.7
25-34	134.7	139.2	137.3	131.9	112.5	95.1	88.7	84.4	82.6
35-44	236.8	239.4	237.8	229.2	206.2	174.9	167.5	159.7	159.4
45-54	430.7	428.3	427.5	415.3	397.6	381.5	371.5	364.4	371.0
55-64	1,027.5	1,006.3	982.4	962.7	926.1	903.2	877.4	848.0	824.8
65-74	2,323.5	2,312.8	2,308.9	2,273.7	2,233.0	2,199.7	2,187.0	2,139.1	2,043.5
75-84	5,476.1	5,524.1	5,500.2	5,375.7	5,356.4	5,320.2	5,279.7	5,217.0	5,098.4
85 and Over	14,299.5	14,711.7	14,807.2	14,625.2	14,511.8	14,450.7	14,296.5	14,201.3	13,778.4
MALE									
1-4	41.4	44.6	39.3	36.8	33.5	31.5	28.6	29.7	27.9
5-14	23.1	26.8	25.6	23.7	20.8	19.9	18.5	16.2	17.1
15-24	148.7	153.7	145.7	145.3	125.5	116.1	106.8	97.3	96.5
25-34	201.8	208.3	202.0	193.5	156.8	131.2	120.2	113.4	113.5
35-44	343.3	348.4	341.3	327.6	281.0	228.6	215.1	204.0	200.8
45-54	564.4	552.4	554.9	540.4	509.6	480.2	473.2	466.4	458.3
55-64	1,283.9	1,250.2	1,217.6	1,200.5	1,126.1	1,094.5	1,074.7	1,021.6	996.5
65-74	2,919.1	2,900.6	2,879.0	2,838.3	2,752.1	2,694.1	2,668.1	2,582.5	2,454.7
75-84	6,883.3	6,930.7	6,833.4	6,667.9	6,671.1	6,530.5	6,474.8	6,330.2	6,147.6
85 and Over	16,324.5	16,834.3	17,056.1	16,691.7	16,390.8	16,430.0	16,008.6	15,660.2	15,305.1
FEMALE									
1-4	36.8	37.2	27.9	27.2	30.3	26.0	23.9	23.8	21.5
5-14	17.1	17.6	16.0	16.4	14.9	12.9	13.3	12.9	12.6
15-24	43.3	42.7	41.7	43.3	39.0	37.6	36.7	34.7	32.7
25-34	61.8	63.6	65.9	63.3	62.9	54.4	53.4	51.9	48.0
35-44	128.5	128.3	131.9	128.1	129.0	119.4	118.0	113.5	116.1
45-54	298.8	306.0	302.2	292.3	287.4	284.3	271.2	277.5	271.5
55-64	789.6	778.4	761.4	738.6	737.0	722.0	690.5	683.3	661.6
65-74	1,845.8	1,840.6	1,849.5	1,815.6	1,807.7	1,791.3	1,786.5	1,765.4	1,692.5
75-84	4,562.5	4,604.2	4,622.3	4,519.5	4,476.5	4,499.8	4,464.3	4,449.0	4,372.1
85 and Over	13,448.3	13,819.4	13,857.4	13,742.6	13,697.0	13,588.6	13,531.2	13,537.1	12,954.5

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance, 1992-1996 Population: 1970-1996 Race/Ethnic Population Estimates with Age and Sex Detail,
January 1998; 1997 Population Estimates by Age, Sex and Race/Ethnic Group, June 1999; 1998 Population Estimates by Age, Sex, and
Race/Ethnic Group, May 2000; 1999-2002 Population: 1997-2040 Population Projections by Age, Sex, and Race/Ethnic Detail, December 1998.

TABLE 5-3A. AGE-SPECIFIC DEATH RATES BY SEX FOR HISPANICS, CALIFORNIA, 1992-2002 (By Place of Residence)
 (Rates are per 100,000 population in specified groups.)

SEX AND AGE	YEAR						2001-2002	
	1992	1993	1994	1995	1996	1997	2001	2002
TOTAL								
1-4	39.1	38.8	33.4	31.9	30.5	26.3	27.1	23.6
5-14	19.9	22.4	18.6	20.3	19.4	14.1	16.4	12.6
15-24	116.3	114.9	111.8	122.1	103.9	97.0	87.9	84.9
25-34	130.8	129.4	127.9	118.9	104.4	92.1	84.3	81.6
35-44	195.8	195.3	190.7	192.4	175.4	148.2	140.5	134.1
45-54	328.5	333.2	326.7	327.0	322.0	319.1	291.6	298.1
55-64	795.1	786.8	732.7	725.1	715.6	702.7	709.0	670.1
65-74	1,729.3	1,734.3	1,710.7	1,709.3	1,695.4	1,708.4	1,738.6	1,729.8
75-84	3,638.8	3,797.3	3,572.0	3,638.0	3,750.9	3,632.6	3,645.8	3,524.6
85 And Over	8,971.2	8,886.3	8,418.2	8,444.6	8,053.9	7,903.6	7,808.3	7,806.0
MALE								
1-4	41.2	42.4	38.1	34.9	34.3	29.4	28.3	29.7
5-14	22.3	27.2	24.2	24.0	21.6	17.2	18.9	16.0
15-24	180.1	179.4	176.4	193.1	165.3	151.4	137.8	127.0
25-34	198.0	195.9	188.3	177.1	146.6	128.2	115.8	115.8
35-44	288.9	288.6	285.2	280.0	248.6	202.2	186.3	177.0
45-54	448.2	447.1	445.2	443.2	416.5	417.0	377.1	384.3
55-64	986.3	991.1	923.3	925.7	889.9	849.6	874.7	810.3
65-74	2,168.3	2,154.4	2,170.3	2,151.5	2,072.8	2,051.8	2,160.9	2,060.8
75-84	4,454.5	4,786.4	4,488.5	4,577.9	4,660.1	4,367.6	4,387.8	4,402.8
85 And Over	10,028.7	9,850.4	9,500.9	9,156.1	8,832.7	8,692.9	8,549.3	8,315.9
FEMALE								
1-4	36.8	35.1	28.5	28.8	26.6	23.0	24.3	24.5
5-14	17.4	17.4	12.8	16.4	17.1	10.8	13.7	12.5
15-24	39.5	38.8	37.8	42.6	36.8	38.3	34.6	35.0
25-34	49.4	47.8	52.7	45.3	50.7	45.9	44.0	46.0
35-44	96.0	94.7	88.0	96.6	94.5	88.0	88.9	85.3
45-54	210.1	220.0	208.3	210.2	226.3	219.1	203.8	209.2
55-64	623.1	601.5	558.7	540.7	554.1	565.5	553.7	538.0
65-74	1,379.6	1,397.5	1,338.6	1,349.1	1,384.9	1,423.3	1,387.6	1,453.8
75-84	3,126.9	3,174.7	2,993.1	3,037.7	3,160.4	3,138.7	3,112.8	3,035.7
85 And Over	8,391.6	8,354.7	7,829.4	8,057.0	7,633.8	7,476.9	7,333.3	7,549.4

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance, 1992-1996 Population: 1970-1996 Race/Ethnic Population Estimates with Age and Sex Detail, January 1998; 1997 Population Estimates by Age, Sex and Race/Ethnic Group, June 1999; 1998 Population Estimates by Age, Sex, and Race/Ethnic Group, May 2000; 1999-2002 Population: 1997-2004 Population Projections by Age, Sex, and Race/Ethnic Detail, December 1998.

TABLE 5-4. DEATHS AND AGE-SPECIFIC DEATH RATES BY SEX, CALIFORNIA, 2002 (By Place of Residence)
(Rates are per 100,000 in specified groups.)

AGE GROUP	DEATHS			AGE-SPECIFIC DEATH RATES		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL ALL AGES	233,246	116,768	116,478	651.5	649.3	653.7
Under 1 Year						
1-4	2,875	1,605	1,270	a	a	a
5-9	526	310	216	23.3	26.8	19.6
10-14	355	199	156	12.3	13.4	11.0
15-19	435	258	177	15.1	17.5	12.6
20-24	1,448	1,066	382	58.2	83.3	31.7
25-29	2,004	1,578	426	83.8	126.0	37.4
30-34	1,854	1,407	447	82.3	119.5	41.5
35-39	2,448	1,676	772	93.3	120.6	62.6
40-44	3,590	2,406	1,184	125.8	162.4	86.3
45-49	5,619	3,600	2,019	193.1	243.0	141.4
50-54	7,750	4,815	2,935	298.8	370.4	226.8
55-59	9,594	5,978	3,616	436.0	549.5	324.9
60-64	11,111	6,765	4,346	639.7	793.9	491.2
65-69	13,024	7,584	5,440	998.0	1,199.3	808.8
70-74	16,118	9,131	6,987	1,515.2	1,812.6	1,247.7
75-79	22,731	12,290	10,441	2,430.7	2,873.1	2,057.7
80-84	31,142	15,969	15,173	3,885.7	4,732.8	3,269.7
85-89	36,330	17,163	19,167	6,500.9	7,803.1	5,655.8
90 Years & Over	32,923	13,611	19,312	10,645.4	12,688.4	9,560.4
Not Stated	31,299	9,304	21,995	17,965.2	19,211.2	17,485.5
	70	53	17			

a See Chapter 4 for infant mortality rates by sex.

Source: State of California. Department of Health Services, Death Records.
State of California, Department of Finance, 2002 Population: 1997-2040 Population
Projections by Age, Sex, and Race/Ethnic Detail, December 1998.

TABLE 5-5. DEATHS BY AGE, SEX, AND RACE/ETHNIC GROUPS¹, CALIFORNIA, 2002 (By Place of Residence)

SEX AND RACE/ETHNIC GROUP	ALL AGES	AGE IN YEARS														
		UNDER 1 YEAR	1 - 14	15-24	25-34	35-44	45-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90+ YEARS & OVER	AGE UNKNOWN
TOTAL DEATHS	233,246	2,875	1,316	3,452	4,302	9,209	17,344	11,111	13,024	16,118	22,731	31,142	36,330	32,923	31,299	70
HISpanic	30,958	1,374	602	1,457	1,557	2,340	3,279	1,677	2,010	2,324	3,062	3,413	3,139	2,311	2,400	13
NON-HISpanic																
2 OR MORE RACE GROUPS	408	63	22	18	24	37	49	19	25	22	31	35	23	21	19	-
AMERICAN INDIAN	892	11	9	26	35	73	104	66	75	75	109	102	103	54	50	-
ASIAN	15,192	209	114	236	273	537	1,124	759	905	1,233	1,630	2,161	2,349	1,915	1,746	1
BLACK	18,402	378	145	473	661	1,280	2,268	1,313	1,442	1,620	1,749	2,154	1,950	1,570	1,397	2
PACIFIC ISLANDER	569	8	6	19	29	43	76	42	60	56	84	64	31	40	11	-
WHITE	166,660	827	417	1,219	1,720	4,888	10,421	7,225	8,497	10,780	16,051	23,199	28,723	27,001	25,666	26
OTHER	19	-	-	-	-	2	5	1	2	-	2	3	3	1	-	-
NOT STATED	146	5	1	4	3	9	18	9	8	8	13	11	9	10	10	28
MALE																
HISpanic	116,768	1,605	767	2,644	3,083	6,006	10,793	6,765	7,584	9,131	12,290	15,969	17,163	13,611	9,304	53
NON-HISpanic	17,361	746	346	1,182	1,215	1,644	2,140	1,077	1,130	1,296	1,641	1,753	1,465	953	761	12
2 OR MORE RACE GROUPS	223	35	16	12	16	20	26	13	16	12	13	21	12	5	6	-
AMERICAN INDIAN	483	6	6	21	28	49	67	39	41	38	48	57	49	26	8	-
ASIAN	8,024	115	66	180	337	653	448	552	679	821	1,171	1,197	899	735	1	
BLACK	9,568	212	94	379	473	785	1,314	749	854	899	946	1,040	875	577	371	-
PACIFIC ISLANDER	308	4	4	13	21	30	46	20	41	26	42	29	12	16	4	-
WHITE	80,690	485	235	854	1,158	3,133	6,528	4,411	4,942	6,174	8,767	11,888	13,549	11,130	7,416	20
OTHER	13	-	-	-	2	6	16	7	1	1	-	2	3	1	-	-
NOT STATED	98	2	-	3	2	6	16	7	7	7	10	7	3	5	3	20
FEMALE																
HISpanic	116,478	1,270	549	808	1,219	3,203	6,551	4,346	5,440	6,987	10,441	15,173	19,167	19,312	21,995	17
NON-HISpanic	13,597	628	256	275	342	696	1,139	600	880	1,028	1,421	1,660	1,674	1,358	1,639	1
2 OR MORE RACE GROUPS	185	28	6	6	8	17	23	6	9	10	18	14	11	16	13	-
AMERICAN INDIAN	409	5	3	5	7	24	37	27	34	37	61	45	54	28	42	-
ASIAN	7,168	94	48	56	103	200	471	311	353	554	809	990	1,152	1,016	1,011	-
BLACK	8,834	166	51	94	188	495	954	564	588	721	803	1,114	1,075	993	1,026	2
PACIFIC ISLANDER	261	4	2	6	8	13	30	22	19	30	42	35	19	24	7	-
WHITE	85,970	342	182	365	562	1,755	3,893	2,814	3,555	4,606	7,284	11,311	15,174	15,871	18,250	6
OTHER	6	-	-	-	1	1	3	2	2	1	1	3	4	6	5	-
NOT STATED	48	3	1	1	1	1	3	2	2	1	1	3	4	6	5	8

- Represents zero events.

¹ The race/ethnic groups in this table provide a mutually exclusive list with Hispanic, 2 or more race groups, and single races. American Indian includes Eskimo and Aleut, Pacific Islander includes Hawaiian. These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Source: State of California, Department of Health Services, Death Records.

TABLE 5-6. DEATHS BY AGE, SEX, AND RACE¹, CALIFORNIA, 2002 (By Place of Residence)

SEX AND RACE	ALL AGES	AGE IN YEARS												AGE UNKNOWN			
		UNDER 1 YEAR	1 - 14	15 - 24	25 - 34	35 - 44	45 - 54	55 - 59	60 - 64	65 - 69	70 - 74	75 - 79	80 - 84	85 - 89	90 YEARS & OVER		
TOTAL	233,246	2,875	1,316	3,452	4,302	9,209	17,344	11,111	13,024	37	22,731	31,142	36,330	32,923	31,299	-	
2 OR MORE RACE GROUPS										30	39	41	26	26	26	70	
AMERICAN INDIAN	526	85	27	324	33	38	81	119	77	80	116	114	108	58	52	-	
BLACK	975	14	9	481	668	1,288	2,276	1,316	1,448	1,629	1,755	2,162	1,955	1,576	1,403	2	
CAMBODIAN	18,505	394	154	5	9	20	9	16	20	29	30	29	24	24	15	-	
CHINESE	283	5	9	20	37	63	121	273	153	190	440	672	770	675	608	-	
ESKIMO/ALEUT	4,382	38	-	-	1	-	-	2	1	-	-	-	-	-	-	-	
FILIPINO	42,322	66	33	66	63	131	350	213	307	369	480	596	579	484	515	-	
GUAMANIAN	88	5	-	1	2	5	7	13	7	8	6	13	9	9	7	3	
HAWAIIAN	98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HMONG	176	7	7	12	6	8	14	13	12	12	15	14	14	19	9	-	
INDIAN (INDIA)	826	23	9	20	25	54	72	75	75	91	95	91	101	57	38	-	
JAPANESE	2,120	9	7	11	15	32	82	85	69	151	253	371	463	302	270	-	
KOREAN	1,306	12	10	15	20	13	26	22	17	22	133	133	173	173	173	-	
LAOTIAN	246	5	2	10	13	17	23	13	23	16	30	22	31	32	12	-	
SAMOAN	186	3	3	8	14	5	9	22	9	7	11	9	8	5	2	-	
THAI	107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
VIETNAMESE	1,248	30	16	30	46	68	124	88	85	95	140	155	144	131	96	-	
WHITE	2,153	989	2,648	3,248	7,185	13,839	8,871	10,474	13,065	19,072	26,558	31,329	29,280	28,024	39	-	
OTHER ASIAN	334	14	4	12	6	30	39	14	30	24	43	45	32	29	11	-	
OTHER PACIFIC ISLANDER	207	3	3	8	5	14	33	15	19	23	28	27	5	5	-	-	
OTHER	161	2	2	7	2	7	14	20	7	6	11	17	18	16	18	-	
NOT STATED	152	7	1	4	4	9	9	19	9	9	13	12	9	10	10	28	
TOTAL MALES	116,768	1,605	767	2,644	3,083	6,006	10,793	6,765	7,584	9,131	12,290	15,969	17,163	13,611	9,304	53	
2 OR MORE RACE GROUPS										17	18	26	26	26	8	-	
AMERICAN INDIAN	528	8	6	26	31	55	76	47	45	39	48	61	50	50	27	-	
BLACK	9,628	221	100	385	475	792	1,319	752	856	905	951	1,043	877	870	372	-	
CAMBODIAN	157	2	5	18	7	11	21	10	11	19	14	17	10	8	4	-	
CHINESE	2,270	22	10	27	42	73	156	90	124	193	239	364	410	323	207	-	
ESKIMO/ALEUT	2	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	
FILIPINO	2,326	37	21	48	44	76	195	180	203	234	330	279	228	326	326	-	
GUAMANIAN	49	3	-	2	5	4	6	3	6	1	6	4	4	3	3	-	
HAWAIIAN	55	1	-	2	2	5	4	4	5	5	5	5	5	5	5	1	
HMONG	94	6	4	9	4	5	5	10	4	5	10	5	7	5	4	-	
INDIAN (INDIA)	470	11	6	17	15	39	53	48	49	52	46	52	48	48	16	-	
JAPANESE	1,047	4	5	8	8	21	44	51	37	56	93	204	253	169	94	-	
KOREAN	629	5	4	9	13	30	55	47	59	64	67	79	84	64	47	-	
LAOTIAN	145	5	-	7	9	11	14	12	12	19	10	18	20	6	2	-	
SAMOAN	98	2	2	7	7	9	13	8	8	9	13	8	2	1	3	-	
THAI	49	-	6	6	1	6	10	4	3	3	7	1	1	1	3	-	
VietNAMESE	684	12	-	25	27	50	81	52	54	49	75	93	69	56	32	-	
WHITE	97,746	1,200	567	2,014	2,349	4,744	8,628	5,463	6,054	7,450	10,392	13,615	15,005	12,069	8,164	32	-
OTHER ASIAN	93	9	4	10	3	19	21	7	17	17	28	23	19	14	14	1	
OTHER PACIFIC ISLANDER	112	1	2	5	7	9	23	5	11	12	15	13	11	7	3	-	
OTHER	85	2	2	2	2	7	12	14	6	6	5	5	4	6	6	-	
NOT STATED	103	4	-	3	2	6	17	7	8	7	10	8	3	5	3	20	
TOTAL FEMALES	116,478	1,270	549	808	1,219	3,203	6,551	4,346	5,440	6,987	10,441	15,173	19,167	19,312	21,995	17	
2 OR MORE RACE GROUPS										21	15	14	18	18	17	-	
AMERICAN INDIAN	447	6	3	6	6	9	7	26	43	30	35	38	53	58	43	-	
BLACK	8,877	173	54	54	96	191	496	957	564	592	724	804	1,119	1,078	996	1,031	
CAMBODIAN	1,126	3	4	2	2	9	9	12	6	9	10	16	12	14	16	2	
CHINESE	2,112	16	10	21	48	117	63	66	66	129	201	318	360	352	401	-	
ESKIMO/ALEUT	1,906	29	12	18	19	55	155	155	1	127	166	226	266	300	256	189	
FILIPINO	39	2	-	2	1	1	2	4	2	5	7	3	5	4	3	-	
GUAMANIAN	43	-	3	3	3	3	4	3	4	3	8	5	4	5	5	-	
HAWAIIAN	82	1	3	2	3	2	3	3	4	3	7	5	9	21	8	-	
HMONG	356	12	3	3	10	15	19	27	26	32	39	49	39	53	39	22	
INDIAN (INDIA)	1,073	5	2	3	7	11	38	34	32	95	180	167	210	133	176	-	
JAPANESE	677	5	6	6	12	19	44	27	39	53	66	78	89	107	126	-	
KOREAN	101	-	2	3	4	9	12	10	5	3	4	13	12	14	10	-	
LAOTIAN	88	1	1	1	5	4	15	6	6	7	17	14	5	4	2	-	
SAMOAN	58	-	1	1	4	3	12	5	4	4	4	4	8	7	4	-	
THAI	564	7	5	19	18	31	43	36	31	42	62	62	75	64	64	-	
VietNAMESE	99,338	953	432	634	2,441	5,011	3,408	4,420	5,615	8,680	12,943	16,324	17,211	19,460	7	-	
WHITE	141	5	-	2	3	3	18	7	13	7	15	22	13	15	10	-	
OTHER ASIAN	95	2	1	3	-	5	10	10	8	11	13	14	12	12	12	-	
OTHER PACIFIC ISLANDER	76	-	-	-	-	2	6	1	4	5	12	10	14	10	12	-	
NOT STATED	49	3	1	-	2	3	2	2	2	1	1	3	4	6	5	7	

- Represents zero events.

¹ The list of races in this table is compiled by identifying decedents who were reported as being of 2 or more race groups before tabulating single races. This list of races is not comparable with races used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Source: State of California, Department of Health Services, Death Records.

TABLE 5-7. DEATHS, DEATH RATES, AND AGE-ADJUSTED DEATH RATES FOR LEADING CAUSES OF DEATH BY SEX, CALIFORNIA, 2000-2002 (By Place of Residence)
 (Rates are per 100,000 population in specified groups. Age-adjusted rates are calculated using Year 2000 standard population.)

TOTAL		LEADING CAUSES OF DEATH IN CALIFORNIA										ALL OTHER CAUSES (Residual)				
YEAR 2002 RANK - TOTAL:		HEART DISEASE 100-109, 111, 120-151	CANCER C00-C97	CEREBRO-VASCULAR DISEASE 160-169	CLRD J40-J47	ACCIDENTS V01-X59, Y85-Y86	INFLUENZA AND PNEUMONIA J10-J18	DIABETES E10-E14	ALZHEIMER'S DISEASE G30	CIRRHOSIS K70-K74	INTENTIONAL SELF-HARM U03, X60-X84, Y87.0	ASSAULT U01-U02, X85-Y09, Y87.1	HYPERTENSION I10-I12	NEPHRITIS N00-N07, N17-N27	ATHERO-SCLEROSIS I70	
Deaths:																
2002	233,246	68,387	53,926	17,551	12,643	9,882	8,098	6,783	5,405	3,725	2,459	2,330	2,149	1,584	35,114	
2001	232,790	69,004	53,810	18,078	13,066	9,274	8,167	6,457	4,897	3,759	2,356	2,301	2,348	1,598	1,988	34,797
2000	228,281	68,533	53,005	18,090	12,764	8,814	8,355	6,203	4,398	3,673	3,113	2,084	2,020	1,781	1,634	33,824
Death Rates:																
2002	651.5	191.0	150.6	49.0	35.3	27.6	22.6	18.9	15.1	10.4	9.0	6.9	6.5	6.0	4.4	
2001	660.7	195.8	152.7	51.3	37.1	26.3	23.2	18.3	13.9	10.7	9.2	6.5	6.7	4.5	5.6	
2000	658.8	197.8	153.0	52.2	36.8	25.4	24.1	17.9	12.7	10.6	9.0	6.0	5.8	5.1	4.7	
Age-Adjusted Death Rates:																
2002	732.8	218.2	169.6	56.3	40.7	28.8	26.0	21.5	17.5	11.1	9.4	6.9	7.5	6.8	5.1	
2001	749.3	225.9	173.4	59.4	43.0	27.4	26.9	20.9	16.3	11.5	9.6	6.6	7.7	6.5	5.3	
2000	755.3	231.1	175.3	61.2	43.1	26.6	28.4	20.6	15.1	11.6	9.4	6.0	6.8	6.0	5.6	
LEADING CAUSES OF MALE DEATHS IN CALIFORNIA																
MALE		HEART DISEASE 100-109, 111, 120-151	CANCER C00-C97	CEREBRO-VASCULAR DISEASE 160-169	CLRD J40-J47	ACCIDENTS V01-X59, Y85-Y86	INFLUENZA AND PNEUMONIA J10-J18	DIABETES E10-E14	ALZHEIMER'S DISEASE G30	CIRRHOSIS K70-K74	INTENTIONAL SELF-HARM U03, X60-X84, Y87.0	ASSAULT U01-U02, X85-Y09, Y87.1	ALZHEIMER'S DISEASE G30	HIVD B20-B24	NEPHRITIS N00-N07, N17-N27	HYPERTENSION I10-I12
YEAR 2002 RANK - MALES:		1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Deaths:																
2002	116,768	33,955	27,459	7,043	5,879	3,697	3,307	2,500	2,458	2,041	1,680	1,217	1,101	911	16,886	
2001	116,000	33,924	27,255	7,295	6,236	6,062	3,691	3,088	2,571	1,527	1,291	992	933	933	16,751	
2000	114,005	33,938	26,759	7,265	5,995	6,112	3,683	3,015	2,431	2,467	1,700	1,388	1,255	859	791	16,347
Death Rates:																
2002	649.3	188.8	152.7	39.2	36.9	32.7	20.6	18.4	13.9	13.7	11.3	9.3	6.8	6.1	5.1	
2001	655.6	191.7	154.0	41.2	35.2	34.3	20.9	17.5	14.5	10.5	8.6	7.3	5.6	5.3		
2000	655.2	195.1	153.8	41.8	34.5	35.1	21.2	17.3	14.0	14.2	9.8	8.0	7.2	4.9	4.6	
Age-Adjusted Death Rates:																
2002	867.1	265.9	201.5	57.0	40.0	46.7	31.3	24.4	15.3	11.2	14.9	6.8	8.7	7.3		
2001	884.5	273.5	205.3	60.7	38.1	49.2	32.1	23.1	15.9	16.2	10.3	13.9	7.4	8.0	7.7	
2000	897.0	282.3	207.9	62.2	37.5	51.3	33.1	23.5	15.4	16.3	9.6	13.1	7.3	7.1	6.7	
LEADING CAUSES OF FEMALE DEATHS IN CALIFORNIA																
FEMALE		HEART DISEASE 100-109, 111, 120-151	CANCER C00-C97	CEREBRO-VASCULAR DISEASE 160-169	CLRD J40-J47	ACCIDENTS V01-X59, Y85-Y86	INFLUENZA AND PNEUMONIA J10-J18	DIABETES E10-E14	ALZHEIMER'S DISEASE G30	CIRRHOSIS K70-K74	NEPHRITIS N00-N07, N17-N27	ATHERO-SCLEROSIS I70	INTENTIONAL SELF-HARM U03, X60-X84, Y87.0	PARKINSON DISEASE G20-G21	ALL OTHER CAUSES (Residual)	
YEAR 2002 RANK - FEMALES:		1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Deaths:																
2002	116,478	34,432	26,467	10,508	6,764	4,401	3,725	3,476	3,038	1,419	1,267	1,048	1,003	710	686	17,325
2001	116,790	35,080	26,555	10,783	6,994	4,476	3,370	3,369	3,188	1,415	1,235	996	960	685	620	17,214
2000	114,276	34,595	26,246	10,825	6,642	4,672	3,010	3,188	2,819	1,229	1,206	922	1,023	682	631	16,586
Death Rates:																
2002	653.7	193.2	148.5	59.0	38.0	24.7	20.9	19.5	18.2	8.0	7.1	5.9	5.6	4.0	3.8	
2001	665.9	200.0	151.4	61.5	39.9	25.5	19.2	19.2	17.3	8.1	7.0	5.7	5.5	3.9	3.5	
2000	662.3	200.5	152.1	62.7	38.5	27.1	17.4	18.5	16.3	7.1	7.0	5.3	5.9	4.0	3.7	
Age-Adjusted Death Rates:																
2002	626.2	180.6	148.4	55.3	37.0	22.7	18.9	19.3	18.1	7.4	7.2	5.7	5.1	4.1	3.6	
2001	642.1	188.2	152.4	57.9	39.1	23.6	17.5	19.2	17.2	7.6	7.2	5.5	5.0	4.0	3.4	
2000	644.6	190.8	154.3	59.8	38.1	25.4	16.1	18.6	16.3	6.8	7.2	5.2	5.5	4.0	3.5	

Source: State of California, Department of Health Services, Death Records. 2000-2002 Population: 1997-2040 Population Projections by Age, Sex, and Race/Ethnic Detail, December 1998.
 State of California, Department of Finance, Department of Health Services, Vital Statistics of California, 2002

TABLE 5-7A. DEATHS, DEATH RATES, AND AGE-ADJUSTED DEATH RATES FOR LEADING CAUSES OF DEATH BY SEX FOR HISPANICS, CALIFORNIA, 2000-2002 (By Place of Residence)
(Rates are per 100,000 population in specified groups. Age-adjusted rates are calculated using Year 2000 standard population.)

		LEADING CAUSES OF HISPANIC DEATHS IN CALIFORNIA														
TOTAL HISPANICS		TOTAL ALL CAUSES ADO-Y89	HEART DISEASE I00-I09, I11, I13, I20-I51	CANCER C00-C97	CEREBRO-VASCULAR DISEASE I60-I69	ACCIDENTS V01-X59, Y85-Y86	DIABETES E10-E14	CIRRHOIS K70-K74	INFLUENZA AND PNEUMONIA J10-J18	CLRD J40-J47	CERTAIN PERINATAL CONDITIONS P00-P96	CONGENITAL MALFORMATIONS Q00-Q99	INTENTIONAL SELF-HARM U03, X60-X84, N00-N07, N17-N19, N25-N27	NEPHRITIS Y87-0	HIVD B20-B24	ALL OTHER CAUSES (Residual)
YEAR 2002 RANK - TOTAL:		1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Deaths:																
2002	30,958	7,224	6,382	2,487	1,977	1,634	1,168	1,039	867	729	644	548	442	414	358	
2001	30,365	7,069	6,216	2,309	2,038	1,601	1,150	958	891	780	613	555	489	356	393	
2000	28,557	6,755	5,799	2,232	1,935	1,447	1,120	898	831	676	634	557	449	331	355	
Death Rates:																
2002	272.7	63.6	56.2	21.9	17.4	14.4	10.3	9.2	7.6	6.4	5.7	4.8	3.9	3.6	3.2	
2001	275.5	64.1	56.4	21.0	18.5	14.5	10.4	8.7	8.1	7.1	5.6	5.0	4.4	3.2	3.6	
2000	267.2	63.2	54.3	20.9	18.1	13.5	10.5	8.4	7.8	6.3	5.9	5.2	4.2	3.1	3.3	
Age-Adjusted Death Rates:																
2002	536.9	150.1	115.3	26.2	40.8	32.2	17.1	8.9	19.3	15.9	3.2	3.3	4.5	8.1	3.8	
2001	561.0	154.4	116.5	25.2	44.2	33.0	17.9	8.5	20.6	17.6	3.1	3.6	5.1	7.4	4.3	
2000	539.6	154.9	114.7	24.8	44.0	31.1	18.3	8.2	19.6	16.0	3.3	3.6	5.0	7.2	4.0	
		LEADING CAUSES OF HISPANIC MALE DEATHS IN CALIFORNIA														
MALE HISPANICS		TOTAL ALL CAUSES ADO-Y89	HEART DISEASE I00-I09, I11, I13, I20-I51	CANCER C00-C97	ACCIDENTS V01-X59, Y85-Y86	DIABETES E10-E14	CEREBRO-VASCULAR DISEASE I60-I69	CIRRHOIS K70-K74	INFLUENZA AND PNEUMONIA J10-J18	CLRD J40-J47	CERTAIN PERINATAL CONDITIONS P00-P96	CONGENITAL MALFORMATIONS Q00-Q99	INTENTIONAL SELF-HARM U03, X60-X84, Y87-0	NEPHRITIS N00-N07, N17-N19, N25-N27	ALL OTHER CAUSES (Residual)	
YEAR 2002 RANK - MALES:		1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Deaths:																
2002	17,361	3,820	3,237	1,881	912	907	873	786	439	382	350	316	287	200	2,589	
2001	16,889	3,723	3,152	1,723	824	960	868	720	422	397	339	340	313	165	2,414	
2000	16,002	3,595	2,943	1,687	772	927	826	685	395	358	359	351	308	289	2,243	
Death Rates:																
2002	295.3	65.0	55.1	32.0	15.5	15.4	14.8	13.4	7.5	6.5	6.0	5.4	4.9	3.4	3.4	
2001	295.8	65.2	55.2	30.2	14.4	16.8	15.2	12.6	7.4	7.0	7.3	5.9	6.0	5.5	2.9	
2000	289.0	64.9	53.1	30.5	13.9	16.7	14.9	12.4	7.1	6.5	6.3	5.6	5.2	5.2	2.8	
Age-Adjusted Death Rates:																
2002	638.8	179.5	134.3	38.3	14.8	42.4	25.4	34.2	23.9	20.6	7.6	3.4	6.3	3.3	9.0	
2001	655.9	185.7	137.2	36.3	13.9	47.8	27.3	32.6	24.2	22.6	8.5	3.4	7.2	4.1	7.8	
2000	646.0	187.9	135.1	36.3	13.4	48.0	27.1	32.9	22.6	20.5	8.0	3.6	6.6	3.9	7.7	
		LEADING CAUSES OF HISPANIC FEMALE DEATHS IN CALIFORNIA														
FEMALE HISPANICS		TOTAL ALL CAUSES ADO-Y89	HEART DISEASE I00-I09, I11, I13, I20-I51	CANCER C00-C97	CEREBRO-VASCULAR DISEASE I60-I69	ACCIDENTS V01-X59, Y85-Y86	DIABETES E10-E14	INFLUENZA AND PNEUMONIA J10-J18	CLRD J40-J47	CIRRHOSIS K70, K73-K74	CERTAIN PERINATAL CONDITIONS P00-P96	CONGENITAL MALFORMATIONS Q00-Q99	NEPHRITIS N00-N07, N17-N19, N25-N27	ALZHEIMERS DISEASE G30	ASSAULT U01-U02, X85-Y09, Y87-1	ALL OTHER CAUSES (Residual)
YEAR 2002 RANK - FEMALES:		1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Deaths:																
2002	13,597	3,404	3,145	1,070	848	606	428	347	295	294	261	214	211	170	127	
2001	13,476	3,346	3,064	1,078	881	586	469	333	282	274	242	191	168	134	134	
2000	12,555	3,160	2,856	1,008	762	545	436	318	294	283	268	176	179	113	126	
Death Rates:																
2002	248.4	62.2	57.5	19.6	15.5	11.1	7.8	6.3	5.4	5.4	4.8	3.9	3.9	3.1	2.3	
2001	253.7	63.0	57.7	20.3	16.6	11.0	8.8	7.2	5.3	5.2	4.6	3.6	3.2	3.1	2.5	
2000	243.7	61.3	55.4	19.6	14.8	10.6	8.5	6.2	5.7	5.5	5.2	3.4	3.5	2.2	2.4	
Age-Adjusted Death Rates:																
2002	449.1	126.0	102.6	39.0	30.4	13.8	16.2	12.9	9.1	3.0	3.2	7.4	8.3	6.3	2.4	
2001	462.1	129.1	102.9	40.9	33.0	13.7	18.3	14.7	9.1	2.9	3.2	7.1	6.9	6.5	2.5	
2000	449.1	128.1	101.3	40.3	29.6	13.1	17.5	13.0	10.0	3.0	3.4	6.9	7.7	4.6	2.6	

Source: State of California, Department of Health Services, Death Records. State of California, Department of Finance, 2000-2002 Population: 1997-2040 Population Projections by Age, Sex, and Race/Ethnic Detail, December 1998.

TABLE 5-8. LEADING CAUSES OF DEATH BY RACE/ETHNIC GROUPS¹ AND SEX, CALIFORNIA, 2002 (By Place of Residence)

RACE/ETHNIC GROUP		LEADING CAUSES OF DEATH IN CALIFORNIA												ALL OTHER CAUSES (Residual)	
	TOTAL ALL CAUSES A00-Y89	HEART DISEASE I00-I09, I11, I13, I20-I51	CANCER C00-C97	CEREBRO-VASCULAR DISEASE I60-I69	CLRD J40-J47	ACCIDENTS V01-X59, Y85-Y86	INFLUENZA AND PNEUMONIA J10-J18	DIABETES E10-E14	ALZHEIMER'S DISEASE G30	CIRRHOsis K70, K73-K74	INTENTIONAL SELF-HARM U03, X60-X84 Y87.0	ASSAULT U01-U02, X85-Y09, Y87.1	HYPERTENsion I10, I12	NEPHRITIS N00-N07, N17-N19, N25-N27	
TOTAL RANK:	1	2	3	4	5	6	7	8	9	10	11	12	13		
HISPANIC	233,246	53,926	17,551	12,643	9,882	8,098	6,783	1,634	319	5,405	3,725	3,210	2,459	2,330	2,149
NON-HISPANIC	30,958	7,224	6,382	1,977	729	2,487	867	1,634	1,168	442	1,039	1,039	284	414	36,698
2 OR MORE RACE GROUPS	408	74	72	20	15	38	9	11	8	7	19	16	3	4	112
AMERICAN INDIAN	892	192	178	56	57	73	19	38	13	53	17	18	10	14	154
ASIAN	15,192	4,173	4,074	1,539	568	555	616	559	131	117	231	114	198	210	2,107
BLACK	18,402	5,434	3,982	1,309	679	781	470	812	235	223	152	740	303	263	3,019
PACIFIC ISLANDER	569	156	128	49	24	25	11	40	4	4	9	15	1	11	92
WHITE	166,660	51,098	39,097	12,597	10,566	5,914	6,099	3,684	4,684	2,146	2,334	512	1,530	1,231	25,158
OTHER RACES	19	6	1	-	1	1	1	3	3	-	-	-	-	1	5
NOT STATED	146	30	12	3	5	8	6	2	1	1	6	5	1	1	59
RACE/ETHNIC GROUP		LEADING CAUSES OF MALE DEATHS IN CALIFORNIA												ALL OTHER CAUSES (Residual)	
	TOTAL ALL CAUSES A00-Y89	HEART DISEASE I00-I09, I11, I13, I20-I51	CANCER C00-C97	CEREBRO-VASCULAR DISEASE I60-I69	CLRD J40-J47	ACCIDENTS V01-X59, Y85-Y86	INFLUENZA AND PNEUMONIA J10-J18	DIABETES E10-E14	ALZHEIMER'S DISEASE G30	CIRRHOsis K70, K73-K74	INTENTIONAL SELF-HARM U03, X60-X84 Y87.0	ASSAULT U01-U02, X85-Y09, Y87.1	HIV/AIDS G30	NEPHRITIS N00-N07, N17-N19, N25-N27	
TOTAL RANK:	1	2	3	4	5	6	7	8	9	10	11	12	13		17,797
HISPANIC	116,768	33,955	27,459	7,043	6,634	5,879	3,697	3,307	2,500	2,458	2,041	1,680	1,217	1,101	3,118
NON-HISPANIC	17,361	3,820	3,237	907	1,881	382	439	786	382	873	912	108	316	200	
2 OR MORE RACE GROUPS	223	46	36	9	23	9	4	4	12	6	11	2	-	2	59
AMERICAN INDIAN	483	111	94	27	51	27	8	17	15	31	13	1	6	5	77
ASIAN	8,024	2,240	2,115	679	342	384	335	279	158	73	44	30	30	99	1,168
BLACK	9,568	2,688	2,071	546	540	361	222	352	116	120	63	264	130	130	1,442
PACIFIC ISLANDER	308	93	64	22	19	13	4	16	6	1	13	2	2	48	48
WHITE	80,690	24,926	19,837	4,851	3,774	4,701	2,681	1,851	1,805	1,347	357	1,460	596	658	11,846
OTHER RACES	13	5	1	-	1	1	2	1	2	-	-	-	1	1	1
NOT STATED	98	26	4	1	4	2	3	-	6	7	4	-	2	1	38
RACE/ETHNIC GROUP		LEADING CAUSES OF FEMALE DEATHS IN CALIFORNIA												ALL OTHER CAUSES (Residual)	
	TOTAL ALL CAUSES A00-Y89	HEART DISEASE I00-I09, I11, I13, I20-I51	CANCER C00-C97	CEREBRO-VASCULAR DISEASE I60-I69	CLRD J40-J47	ACCIDENTS V01-X59, Y85-Y86	INFLUENZA AND PNEUMONIA J10-J18	DIABETES E10-E14	ALZHEIMER'S DISEASE G30	CIRRHOsis K70, K73-K74	INTENTIONAL SELF-HARM U03, X60-X84, Y87.0	NEPHRITIS N00-N07, N17-N19, N25-N27	ATHERO-SCLEROSIS I70	INTENTIONAL SELF-HARM U03, X60-X84, Y87.0	
FEMALE RANK:	1	2	3	4	5	6	7	8	9	10	11	12	13		18,010
HISPANIC	116,478	34,432	26,467	10,508	6,764	4,401	3,725	3,476	3,248	1,419	1,267	295	214	76	60
NON-HISPANIC	13,597	3,404	3,145	1,070	347	428	211	848	606	170	-	-	-	-	2,723
2 OR MORE RACE GROUPS	185	28	36	11	6	5	6	7	15	2	1	2	1	7	58
AMERICAN INDIAN	409	81	84	29	30	11	12	21	22	5	22	9	6	2	75
ASIAN	7,168	1,933	1,959	860	184	281	87	280	213	119	44	111	32	73	992
BLACK	8,834	2,746	1,911	763	318	248	172	460	241	184	103	133	45	36	1,474
PACIFIC ISLANDER	261	63	64	27	11	7	2	24	6	-	3	6	3	3	42
WHITE	85,970	26,172	19,260	7,746	5,885	3,418	3,234	1,833	2,140	939	799	573	840	529	12,622
OTHER RACES	6	1	-	-	3	3	1	1	2	4	-	-	-	-	3
NOT STATED	48	4	8	2	3	3	1	2	4	-	-	-	-	-	21

- Represents zero events.

¹ The race/ethnic groups in this table provide a mutually exclusive list with Hispanic, 2 or more race groups, and single races. American Indian includes Eskimo and Aleut, Pacific Islander includes Hawaiian. These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Source: State of California, Department of Health Services, Death Records.

TABLE 5-9A. LEADING CAUSES OF MALE DEATHS AND AGE-SPECIFIC DEATH RATES BY HISPANIC AND SELECTED NON-HISPANIC SINGLE RACE GROUPS¹, CALIFORNIA, 2002 (By Place of Residence)

(Rates are per 100,000 population in specified groups.)

AGE GROUPS AND CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL MALES			HISPANIC			NON-HISPANIC SINGLE RACE GROUPS									
		DEATHS		RANK	DEATHS		RANK	RATES	DEATHS		RANK	DEATHS		RANK	DEATHS		RANK
UNDER 1 YEAR		SEE CHAPTER 4 FOR LEADING CAUSES OF INFANT DEATH BY RACE/ETHNIC GROUPS AND INFANT MORTALITY RATES															
1 - 4 YEARS																	
All Causes of Death	A00-Y89	310			26.8			145		26.2		32			32		91
Accidents	V01-X59, Y85-Y86 (See Footnote)	117	1		10.1			65	1	11.7		8	a		8	a	32
Motor Vehicle	49				4.2			37		6.7		4			2		5
Drownings	44				3.8			17		3.1		2			3		21
Congenital Malformations	W65-W74																
Malignant Neoplasms	Q00-Q99	36	2		3.1			20	2	3.6		4	a		3	a	9
Assault (Homicide)	C00-C97	31	3		2.7			13	3	2.3		5	a		2	a	10
Influenza & Pneumonia	U01-U02, X85-Y09, Y87.1 J10-J18	21	4		1.8			11	4	2.0		2	a		6	-	2
All Other Causes	(Residual)	8	a		a			3	a	a		2	a		-	3	a
		97						33				11			13		35
5-9 YEARS																	
All Causes of Death	A00-Y89	199			13.4			104		15.2		13			17		57
Accidents	V01-X59, Y85-Y86 (See Footnote)	77	1		5.2			38	1	5.5		7	a		6	a	20
Motor Vehicle	36				2.4			17		2.5		3			3		12
Drownings	12				0.8			4		a		2			2		2
Malignant Neoplasms	W65-W74																
Leukemia	Q00-Q99	41	2		2.8			17	2	2.5		3	a		4	a	16
Congenital Malformations	C00-C97	14															
Assault (Homicide)	C91-C95	13	3		0.9			6		a		2			3		4
All Other Causes	X85-Y09, Y87.1 (Residual)	10	4		0.7			9	a	a		-	-		1	a	-
		58						33				3			4		17
10-14 YEARS																	
All Causes of Death	A00-Y89	258			17.5			97		16.4		21			45		87
Accidents	V01-X59, Y85-Y86 (See Footnote)	72	1		4.9			32	1	5.4		2	a		14	1	22
Motor Vehicle	49				3.3			27		4.6		2			5		14
Malignant Neoplasms	C00-C97	56	2		3.8			22	2	3.7		10	1		-	-	23
Leukemia	C91-C95	22			1.5			10		1.7		3			-		8
Assault (Homicide)	U01-U02, X85-Y09, Y87.1 U01.4, X93-X95	22	3		1.5			6	a	a		1	a		10	2	4
Firearms	U01.4, X93-X95	20			1.4			5		a		1			9		4
Congenital Malformations	Q00-Q99	14	4		0.9			3	a	a		2	a		2	a	7
Intentional Self-Harm (Suicide)	U03, X60-X84, Y87.0	14	4		0.9			4	a	a		-	-		1	a	7
Diseases of the Heart	I00-I09, I11, I13, I20-I51 (Residual)	11			0.7			3				6			3	a	4
All Other Causes		69						27				15			15		20
15-19 YEARS																	
All Causes of Death	A00-Y89	1,066			83.3			484		106.3		77			125		361
Accidents	V01-X59, Y85-Y86 (See Footnote)	451	1		35.3			186	1	40.8		33	1		24	2	203
Motor Vehicle	355				27.8			141		31.0		30			18		161
Poisonings	X40-X49	19			1.5			9		a		1			-		9
Drownings	W65-W74	28			2.2			17		3.7		2			2		7
Firearms	W32-W34	11			0.9			7		a		-			2		2
Assault (Homicide)	U01-U02, X85-Y09, Y87.1 U01.4, X93-X95	301	2		23.5			177	2	38.9		14	2		77	1	25
Firearms	U01.4, X93-X95	271			21.2			160		35.1		12			74		20
Intentional Self-Harm (Suicide)	U03, X60-X84, Y87.0	94	3		7.3			32	3	7.0		10	3		1	a	50
Firearms	X72-X74	42			3.3			15		3.3		4			-		23
Malignant Neoplasms	C00-C97	60	4		4.7			30	4	6.6		4	a		3	a	21
Leukemia	C91-C95	23			1.8			14		3.1		-			1		7
Diseases of the Heart	I00-I09, I11, I13, I20-I51 (Residual)	28	5		2.2			9	a	a		2	a		7	a	9
All Other Causes		132						50				14			13		53
20-24 YEARS																	
All Causes of Death	A00-Y89	1,578			126.0			698		160.9		103			254		493
Accidents	V01-X59, Y85-Y86 (See Footnote)	606	1		48.4			257	1	59.2		42	1		39	2	256
Motor Vehicle	427				34.1			200		46.1		32			29		160
Poisonings	X40-X49	72			5.7			18		4.1		2			2		47
Drownings	W65-W74	26			2.1			4		a		7			1		13
Firearms	W32-W34	10			0.8			5		a		-			3		2
Assault (Homicide)	U01-U02, X85-Y09, Y87.1 U01.4, X93-X95	488	2		39.0			257	1	59.2		18	3		163	1	43
Firearms	U01.4, X93-X95	434			34.7			228		52.5		15			159		29
Intentional Self-Harm (Suicide)	U03, X60-X84, Y87.0	163	3		13.0			42	3	9.7		23	2		11	3	83
Firearms	X72-X74	72			5.7			21		4.8		8			7		33
Malignant Neoplasms	C00-C97	80	4		6.4			39	4	9.0		8	a		3	a	29
Leukemia	C91-C95	19			1.5			13		3.0		1			1		3
Diseases of the Heart	I00-I09, I11, I13, I20-I51 (Residual)	47	5		3.8			23	5	5.3		3	a		8	a	10
Congenital Malformations	Q00-Q99	23			1.8			9		a		-			4	a	10
All Other Causes	(Residual)	171						71				9			26		62

TABLE 5-9A. LEADING CAUSES OF MALE DEATHS AND AGE-SPECIFIC DEATH RATES BY HISPANIC AND SELECTED NON-HISPANIC SINGLE RACE GROUPS¹, CALIFORNIA, 2002 (By Place of Residence) - Cont.

(Rates are per 100,000 population in specified groups.)

AGE GROUPS AND CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL MALES			HISPANIC			NON-HISPANIC SINGLE RACE GROUPS					
		DEATHS	RANK	RATES	DEATHS	RANK	RATES	ASIAN		BLACK		WHITE/OTHER	
								DEATHS	RANK	DEATHS	RANK	DEATHS	RANK
25-34 YEARS													
All Causes of Death	A00-Y89	3,083		120.1	1,215		126.5	170		473		1,158	
Accidents	V01-X59, Y85-Y86 (See Footnote)	875 464 242	1 18.1 9.4	34.1 221 69	356 221 69	1 23.0 7.2	37.1 23 6	38 23 6	1 2 6	66 35 18	2 18 18	402 176 146	1
Motor Vehicle	X40-X49												
Poisonings	U01-U02,												
Assault (Homicide)	X85-Y09, Y87.1 U01.4, X93-X95 U03, X60-X84, Y87.0	565 469 400	2 18.3 3	22.0 15.6 15.6	263 217 111	2 3	27.4 22.6 11.6	13 10 32	5 2	204 183 33	1 1 5	72 49 214	5 2
Firearms	X72-X74	169		6.6	46		4.8	9		15		96	
Intentional Self-Harm (Suicide)	C00-C97	225	4	8.8	83	4	8.6	25	3	13		96	3
Firearms	I00-I09, I11, I13, I20-I51	221	5	8.6	75	5	7.8	17	4	37	3	87	4
Malignant Neoplasms													
Diseases of the Heart													
Ischemic Heart	I13, I20-I51	894	2	30.2	182	2	19.1	63	2	138	1	492	2
Other Heart Diseases	I20-I25	483		16.3	93		9.8	43		66		268	
Diseases of the Heart	I26-I51	272		9.2	60		6.3	8		45		154	
Malignant Neoplasms	C00-C97	691	3	23.3	175	3	18.4	84	1	49	5	372	3
Human Immunodeficiency													
Virus Disease	B20-B24	491	4	16.6	131	5	13.8	10		107	4	239	5
Intentional Self-Harm (Suicide)	U03, X60-X84, Y87.0	489	5	16.5	90		9.5	27	4	30		332	4
Firearms	X72-X74	204		6.9	31		3.3	8		14		147	
Chronic Liver/Cirrhosis	K70, K73-K74	340		11.5	166	4	17.4	12		18		133	
Assault (Homicide)	U01-U02, X85-Y09, Y87.1	326		11.0	102		10.7	11		119	2	91	
Firearms	X93-X95	226		7.6	69		7.2	9		97		49	
Cerebrovascular Disease	I60-I69	147		5.0	46		4.8	19	5	20		55	
All Other Causes	(Residual)	1,319			347			66		185		701	
35-44 YEARS													
All Causes of Death	A00-Y89	6,006		202.7	1,644		172.7	337		785		3,135	
Accidents	V01-X59, Y85-Y86 (See Footnote)	1,309 511 524	1 17.2 17.7	44.2 186 136	405 186 136	1 19.5 14.3	42.6 26 7	45 26 7	3 2 56	119 42 56	2 2 316	720 250 316	1
Motor Vehicle	X40-X49												
Poisonings	I00-I09, I11, I13, I20-I51	894	2	30.2	182	2	19.1	63	2	138	1	492	2
Diseases of the Heart	I20-I25	483		16.3	93		9.8	43		66		268	
Ischemic Heart	I26-I51	272		9.2	60		6.3	8		45		154	
Other Heart Diseases	I42	142		11.1	40		7.0	16		44		161	
Malignant Neoplasms	C00-C97	691	3	23.3	175	3	18.4	84	1	49	5	372	3
Human Immunodeficiency													
Virus Disease	B20-B24	491	4	16.6	131	5	13.8	10		107	4	239	5
Intentional Self-Harm (Suicide)	U03, X60-X84, Y87.0	489	5	16.5	90		9.5	27	4	30		332	4
Firearms	X72-X74	204		6.9	31		3.3	8		14		147	
Chronic Liver/Cirrhosis	K70, K73-K74	340		11.5	166	4	17.4	12		18		133	
Assault (Homicide)	U01-U02, X85-Y09, Y87.1	326		11.0	102		10.7	11		119	2	91	
Firearms	X93-X95	226		7.6	69		7.2	9		97		49	
Cerebrovascular Disease	I60-I69	147		5.0	46		4.8	19	5	20		55	
All Other Causes	(Residual)	1,319			347			66		185		701	
45-54 YEARS													
All Causes of Death	A00-Y89	10,793		452.0	2,140		375.3	653		1,314		6,531	
Diseases of the Heart	I00-I09, I11, I13, I20-I51	2,504	1	104.9	382	2	67.0	156	2	328	1	1,603	1
Ischemic Heart	I20-I25	1,749		73.2	278		48.8	121		196		1,127	
Acute Myocardial Infarction	I21-I22	521		21.8	76		13.3	48		38		346	
Other Heart Diseases	I26-I51	462		19.3	66		11.6	23		67		299	
Cardiomyopathy	I42	266		11.1	40		7.0	16		44		161	
Malignant Neoplasms	C00-C97	2,397	2	100.4	394	1	69.1	235	1	263	2	1,476	2
Lung Cancer	C33-C34	533		22.3	48		8.4	49		76		351	
Accidents	V01-X59, Y85-Y86 (See Footnote)	1,207 384	3 16.1	50.6 17.0	264 97	4	46.3 17.0	34 19	4	132 27	3	763 237	3
Motor Vehicle	K70, K73-K74	752	4	31.5	291	3	51.0	13		40		389	4
Chronic Liver/Cirrhosis	U03, X60-X84, Y87.0	455	5	19.1	47		8.2	23	5	20		358	5
Intentional Self-Harm (Suicide)	X72-X74	212		8.9	11		1.9	11		8		180	
Firearms													
Human Immunodeficiency													
Virus Disease	B20-B24	384		16.1	77		13.5	8		85	4	211	
Cerebrovascular Disease	I60-I69	355		14.9	101	5	17.7	40	3	62	5	146	
All Other Causes	(Residual)	2,739			584			144		404		1,585	
55-64 YEARS													
All Causes of Death	A00-Y89	14,349		966.6	2,207		789.8	1,000		1,603		9,355	
Malignant Neoplasms	C00-C97	4,759	1	320.6	586	2	209.7	387	1	487	2	3,252	1
Colon Cancer	C18	385		25.9	61		21.8	33		40		244	
Lung Cancer	C33-C34	1,433		96.7	103		36.9	110		149		1,058	
Prostate Cancer	C61	222		15.0	34		12.2	12		44		126	
Diseases of the Heart	I00-I09, I11, I13, I20-I51	4,112	2	277.0	591	1	211.5	257	2	506	1	2,705	2
Ischemic Heart	I20-I25	3,221		217.0	476		170.3	205		344		2,152	
Acute Myocardial Infarction	I21-I22	1,027		69.2	170		60.8	66		77		693	
Other Heart Diseases	I26-I51	523		35.2	74		26.5	33		82		331	
Cardiomyopathy	I42	236		15.9	28		10.0	16		39		152	
Chronic Liver/Cirrhosis	K70, K73-K74	624	3	42.0	179	3	64.1	20	5	34		382	4
Accidents	V01-X59, Y85-Y86	598	4	40.3	111	5	39.7	16		65	5	399	3
Cerebrovascular Disease	I60-I69	573	5	38.6	111	5	39.7	79	3	89	3	283	5
Diabetes	E10-E14	540		36.4	157	4	56.2	38	4	85	4	251	
Chronic Lower Respiratory Diseases	J40-J47	499		33.6	41		14.7	24		55		372	
All Other Causes	(Residual)	2,644			431			179		282		1,711	

TABLE 5-9A. LEADING CAUSES OF MALE DEATHS AND AGE-SPECIFIC DEATH RATES BY HISPANIC AND SELECTED NON-HISPANIC SINGLE RACE GROUPS¹, CALIFORNIA, 2002 (By Place of Residence) - Cont.

(Rates are per 100,000 population in specified groups.)

AGE GROUPS AND CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL MALES			HISPANIC			NON-HISPANIC SINGLE RACE GROUPS					
		ASIAN		BLACK		WHITE/OTHER							
		DEATHS	RANK	RATES	DEATHS	RANK	RATES	DEATHS	RANK	DEATHS	RANK	DEATHS	RANK
65-74 YEARS													
All Causes of Death	A00-Y89	21,421		2,299.6	2,937		1,860.9	1,500		1,845		14,943	
Malignant Neoplasms	C00-C97	7,246	1	777.9	833	1	527.8	520	1	567	2	5,282	1
Colon Cancer	C18	554		59.5	66		41.8	48		44		392	
Pancreatic Cancer	C25	436		46.8	44		27.9	18		31		320	
Lung Cancer	C33-C34	2,324		249.5	188		119.1	146		191		1,787	
Prostate Cancer	C61	584		62.7	73		46.3	18		93		396	
Urinary Cancer	C64-C68	383		41.1	53		33.6	22		12		296	
Diseases of the Heart	I00-I09, I11, I13, I20-I51	6,359	2	682.7	874	2	553.8	409	2	630	1	4,378	2
Hypertensive Heart	I11, I13	331		35.5	34		21.5	30		68		199	
Ischemic Heart	I20-I25	5,222		560.6	723		458.1	343		472		3,625	
Acute Myocardial Infarction	I21-I22	1,764		189.4	240		152.1	132		150		1,223	
Other Heart Diseases	I26-I51	775		83.2	112		71.0	34		88		532	
Cardiomyopathy	I42	316		33.9	45		28.5	16		38		211	
Chronic Lower Respiratory Diseases	J40-J47	1,347	3	144.6	77	5	48.8	73	5	72	5	1,106	3
Emphysema	J43	195		20.9	9		a	12		11		159	
Cerebrovascular Disease	I60-I69	1,187	4	127.4	206	4	130.5	108	3	128	3	736	4
Diabetes	E10-E14	824	5	88.5	217	3	137.5	78	4	97	4	419	5
Influenza & Pneumonia	J10-J18	472		50.7	65		41.2	34		46		321	
Accidents	V01-X59, Y85-Y86	396		42.5	55		34.8	43		30		262	
All Other Causes	(Residual)	3,590			610			235		275		2,439	
75-84 YEARS													
All Causes of Death	A00-Y89	33,132		5,944.5	3,218		4,209.9	2,368		1,915		25,441	
Diseases of the Heart	I00-I09, I11, I13, I20-I51	10,894	1	1,954.6	1,009	1	1,320.0	753	1	651	1	8,424	1
Hypertensive Heart	I11, I13	440		78.9	45		58.9	53		48		293	
Ischemic Heart	I20-I25	8,852		1,588.2	843		1,102.8	624		504		6,834	
Acute Myocardial Infarction	I21-I22	2,703		485.0	275		359.8	249		148		2,018	
Other Heart Diseases	I26-I51	1,551		278.3	120		157.0	73		96		1,253	
Heart Failure	I50	486		87.2	45		58.9	21		35		382	
Malignant Neoplasms	C00-C97	8,352	2	1,498.5	777	2	1,016.5	596	2	511	2	6,425	2
Colon Cancer	C18	597		107.1	64		83.7	49		44		438	
Pancreatic Cancer	C25	430		77.1	30		39.2	30		17		352	
Lung Cancer	C33-C34	2,376		426.3	188		245.9	179		150		1,843	
Prostate Cancer	C61	1,305		234.1	119		155.7	53		119		1,006	
Urinary Cancer	C64-C68	530		95.1	46		60.2	31		28		422	
Cerebrovascular Disease	I60-I69	2,578	3	462.5	255	3	333.6	222	3	161	3	1,923	4
Chronic Lower Respiratory Disease	J40-J47	2,476	4	444.2	142		185.8	170	4	127	4	2,019	3
Emphysema	J43	345		61.9	14		18.3	16		22		290	
Influenza & Pneumonia	J10-J18	1,249	5	224.1	157	5	205.4	114	5	69		905	5
Diabetes	E10-E14	1,062		190.5	216	4	282.6	90		77	5	670	
All Other Causes	(Residual)	6,521			662			423		319		5,075	
85 YEARS AND OVER													
All Causes of Death	A00-Y89	22,915		14,717.3	1,714		8,571.3	1,634		948		18,546	
Diseases of the Heart	I00-I09, I11, I13, I20-I51	8,845	1	5,680.8	663	1	3,315.5	572	1	378	1	7,199	1
Ischemic Heart	I20-I25	6,933		4,452.8	543		2,715.4	466		304		5,595	
Acute Myocardial Infarction	I21-I22	1,983		1,273.6	169		845.1	170		100		1,536	
Other Heart Diseases	I26-I51	1,525		979.4	86		430.1	76		46		1,311	
Heart Failure	I50	627		402.7	37		185.0	36		17		533	
Malignant Neoplasms	C00-C97	3,510	2	2,254.3	263	2	1,315.2	236	2	167	2	2,834	2
Colon Cancer	C18	315		202.3	15		75.0	31		18		251	
Lung Cancer	C33-C34	675		433.5	43		215.0	60		22		549	
Prostate Cancer	C61	896		575.5	83		415.1	34		73		703	
Cerebrovascular Disease	I60-I69	2,135	3	1,371.2	151	3	755.1	204	3	76	3	1,697	3
Influenza & Pneumonia	J10-J18	1,556	4	999.4	131	4	655.1	158	4	54	4	1,210	4
Chronic Lower Respiratory Disease	J40-J47	1,287	5	826.6	93	5	465.1	109	5	50	5	1,032	5
All Other Causes	(Residual)	5,582			413			355		223		4,574	

- Represents zero events.

a Ranks and rates are not calculated for less than 10 deaths.

¹ Total Male Deaths includes the mutually exclusive groups: Hispanic, Asian, Black, White/Other (shown above), as well as American Indian, Pacific Islander, 2 or More Race Groups, and Unknown Race. These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Note: The ICD-10 Codes for motor vehicle accidents are V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2.

Source: State of California, Department of Health Services, Death Records.
State of California, Department of Finance, 2002 Population:1997-2040 Population Projections with Age, Sex and Race/Ethnic Detail, December 1998.

TABLE 5-9B. LEADING CAUSES OF FEMALE DEATHS AND AGE-SPECIFIC DEATH RATES BY HISPANIC AND SELECTED NON-HISPANIC SINGLE RACE GROUPS¹, CALIFORNIA, 2002 (By Place of Residence)
(Rates are per 100,000 population in specified groups.)

AGE GROUPS AND CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL FEMALES			HISPANIC			NON-HISPANIC SINGLE RACE GROUPS					
		DEATHS	RANK	RATES				DEATHS	RANK	RATES	DEATHS	RANK	DEATHS
UNDER 1 YEAR		SEE CHAPTER 4 FOR LEADING CAUSES OF INFANT DEATH BY RACE/ETHNIC GROUPS AND INFANT MORTALITY RATES											
1 - 4 YEARS													
All Causes of Death	A00-Y89 V01-X59, Y85-Y86 (See Footnote)	216		5.3	111		21.0	14		16		68	
Accidents	59	1	5.3	35	1	6.6	2	a	3	a	16	1	
Motor Vehicle	24		2.2	17		3.2	1	-	2	-	3		
Drownings	15		1.4	6		a	-	-	9	-	9		
Malignant Neoplasms	32	2	2.9	14	3	2.6	4	a	-	-	14	2	
Congenital Malformations	30	3	2.7	15	2	2.8	2	a	4	4	9	a	
Assault (Homicide)	15		1.4	8		a	-	-	9	-	4	a	
All Other Causes	80	4		39			6		9		25		
5-9 YEARS													
All Causes of Death	A00-Y89 V01-X59, Y85-Y86 (See Footnote)	156		11.0	75		11.4	16		18		47	
Accidents	40	1	2.8	20	1	3.0	2	a	6	a	12	1	
Motor Vehicle	25		1.8	17		2.6	2	-	2	-	4		
Malignant Neoplasms	33	2	2.3	17	2	2.6	3	a	1	a	12	2	
Leukemia	10		0.7	10		1.5	2	-	-	-	1		
Congenital Malformations	15	3	1.1	10	3	1.5	2	a	1	a	2	a	
Assault (Homicide)	X85-Y09, Y87.1 U01-U02,	10	4	0.7	4	a	a	3	a	-	-	3	a
Diseases of the Heart	I00-I09, I11, I13, I20-I51 (Residual)	5	a	a	4	a	a	-	-	-	-	1	a
All Other Causes	53			20			6					17	
10-14 YEARS													
All Causes of Death	A00-Y89 V01-X59, Y85-Y86 (See Footnote)	177		12.6	70		12.3	18		17		67	
Accidents	48	1	3.4	15	2	2.6	6	a	3	a	22	1	
Motor Vehicle	33		2.3	11		1.9	4	-	3	-	15		
Malignant Neoplasms	37	2	2.6	19	1	3.3	3	a	3	a	11	2	
Leukemia	10		0.7	5		a	1	-	1	-	3		
Congenital Malformations	16	3	1.1	5	a	a	1	a	-	-	10	3	
Assault (Homicide)	X85-Y09, Y87.1 U01-U02,	7	a	a	4	a	a	1	a	1	a	1	a
Diseases of the Heart	I00-I09, I11, I13, I20-I51 (Residual)	7	a	a	4	a	a	-	-	-	-	3	a
All Other Causes	62			23			7		10			20	
15-19 YEARS													
All Causes of Death	A00-Y89 V01-X59, Y85-Y86 (See Footnote)	382		31.7	132		30.5	28		34		180	
Accidents	188	1	15.6	65	1	15.0	11	1	8	a	100	1	
Motor Vehicle	160		13.3	56		a	9	-	8	-	84		
Assault (Homicide)	X85-Y09, Y87.1 U01-U02,	40	2	3.3	13	2	12.9	4	a	8	a	13	4
Firearms	24		2.0	9		a	-	-	5	-	8		
Malignant Neoplasms	36	3	3.0	13	2	3.0	6	a	3	a	14	2	
Leukemia	15		1.2	6		a	2	-	2	-	5		
Intentional Self-Harm (Suicide)	26	4	2.2	8	a	a	3	a	-	-	14	2	
All Other Causes	92			33			4		15			39	
20-24 YEARS													
All Causes of Death	A00-Y89 V01-X59, Y85-Y86 (See Footnote)	426		37.4	143		36.2	28		60		185	
Accidents	158	1	13.9	51	1	12.9	9	a	11	2	83	1	
Motor Vehicle	117		10.3	44		11.1	5	-	7	-	57		
Poisonings	24		2.1	1		a	1	-	3	-	19		
Assault (Homicide)	X85-Y09, Y87.1 U01-U02,	50	2	4.4	18	2	4.6	3	a	15	1	12	4
Firearms	35		3.1	10		2.5	2	-	12	-	9		
Malignant Neoplasms	44	3	3.9	20	3	5.1	1	a	3	a	19	3	
Leukemia	8		a	6		a	-	-	-	-	2		
Intentional Self-Harm (Suicide)	39	4	3.4	7	a	a	2	a	4	a	26	2	
Diseases of the Heart	I00-I09, I11, I13, I20-I51 (Residual)	12	5	1.1	7	a	a	-	-	2	a	3	a
All Other Causes	123			40			13		25			42	
25-34 YEARS													
All Causes of Death	A00-Y89 V01-X59, Y85-Y86 (See Footnote)	1,219		52.8	342		42.5	103		188		562	
Accidents	300	1	13.0	74	1	9.2	26	1	29	1	165	1	
Motor Vehicle	172		7.4	56		7.0	19		14	-	78		
Poisonings	89		3.9	10		1.2	4	-	11	-	63		
Malignant Neoplasms	218	2	9.4	73	2	9.1	25	2	17	5	101	2	
Intentional Self-Harm (Suicide)	101	3	4.4	11	5	1.4	17	3	7	a	62	3	
Assault (Homicide)	X85-Y09, Y87.1 U01-U02,	83	4	3.6	23	3	2.9	9	a	20	3	28	4
Firearms	51		2.2	18		2.2	5	-	14	-	13		
Diseases of the Heart	I00-I09, I11, I13, I20-I51	74	5	3.2	20	4	2.5	3	a	24	2	26	5
Human Immunodeficiency	B20-B24 (Residual)	30		1.3	5		a	1	a	19	4	5	
Virus Disease	413			136			22		72			175	

TABLE 5-9B. LEADING CAUSES OF FEMALE DEATHS AND AGE-SPECIFIC DEATH RATES BY HISPANIC AND SELECTED NON-HISPANIC SINGLE RACE GROUPS¹, CALIFORNIA, 2002 (By Place of Residence) - Cont.

(Rates are per 100,000 population in specified groups.)

AGE GROUPS AND CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL FEMALES			HISPANIC			NON-HISPANIC SINGLE RACE GROUPS					
		DEATHS	RANK	RATES	DEATHS	RANK	RATES	DEATHS	RANK	DEATHS	RANK	DEATHS	RANK
35-44 YEARS													
All Causes of Death	A00-Y89	3,203		114.4	696		88.3	200		495		1,755	
Malignant Neoplasms	C00-C97	980	1	35.0	251	1	31.9	99	1	97	1	522	1
Breast Cancer	C50	306		10.9	72		9.1	32		45		155	
Accidents	V01-X59, Y85-Y86 (See Footnote)	461	2	16.5	93	2	11.8	10	4	58	3	291	2
Motor Vehicle	148			5.3	45		5.7	6		13		81	
Poisonings	251			9.0	33		4.2	3		36		175	
Diseases of the Heart	I00-I09, I11, I13, I20-I51	314	3	11.2	46	3	5.8	10	4	74	2	181	3
Ischemic heart	I20-I25	128		4.6	22		2.8	-		31		74	
Other Heart Diseases	I26-I51	128		4.6	18		2.3	7		23		78	
Chronic Liver/Cirrhosis	K70, K73-K74	163	4	5.8	37	4	4.7	2		13		103	5
Intentional Self-Harm (Suicide)	U03, X60-X84, Y87.0	151	5	5.4	15		1.9	16	2	9		106	4
Cerebrovascular Disease	I60-I69	118		4.2	25	5	3.2	16	2	24	5	50	
Human Immunodeficiency	B20-B24 (Residual)	87		3.1	16		2.0	5		42		23	
Virus Disease		929			213			42		178		479	
All Other Causes													
45-54 YEARS													
All Causes of Death	A00-Y89	6,551		272.2	1,139		209.5	471		954		3,895	
Malignant Neoplasms	C00-C97	2,585	1	107.4	434	1	79.8	280	1	280	1	1,554	1
Lung Cancer	C33-C34	420		17.4	33		6.1	32		56		295	
Breast Cancer	C50	705		29.3	115		21.2	81		76		422	
Cancer of Female Genitals	C51-C58	382		15.9	85		15.6	37		31		222	
Diseases of the Heart	I00-I09, I11, I13, I20-I51	899	2	37.3	162	2	29.8	49	2	195	2	477	2
Ischemic Heart	I20-I25	508		21.1	95		17.5	25		97		284	
Acute Myocardial Infarction	I21-I22	177		7.4	31		5.7	12		27		105	
Other Heart Diseases	I26-I51	268		11.1	45		8.3	19		58		137	
Accidents	V01-X59, Y85-Y86	535	3	22.2	90	3	16.6	23	4	70	3	346	3
Cerebrovascular Disease	I60-I69	304	4	12.6	69	4	12.7	41	3	66	4	126	
Chronic Liver/Cirrhosis	K70, K73-K74	277	5	11.5	61		11.2	4		38		165	4
Diabetes	E10-E14	231		9.6	62	5	11.4	9		43	5	112	
Intentional Self-Harm (Suicide)	U03, X60-X84, Y87.0	164		6.8	12		2.2	12	5	9		130	5
Chronic Lower Respiratory Disease	J40-J47 (Residual)	162		6.7	14		2.6	8		24		113	
All Other Causes		1,394			235			45		229		872	
55-64 YEARS													
All Causes of Death	A00-Y89	9,786		628.3	1,480		509.9	664		1,152		6,370	
Malignant Neoplasms	C00-C97	4,160	1	267.1	541	1	186.4	337	1	370	1	2,877	1
Colon Cancer	C18	241		15.5	36		12.4	29		15			
Lung Cancer	C33-C34	1,058		67.9	65		22.4	49		101			
Breast Cancer	C50	778		50.0	96		33.1	67		68			
Cancer of Female Genitals	C51-C58	518		33.3	69		23.8	49		36			
Diseases of the Heart	I00-I09, I11, I13, I20-I51	1,834	2	117.8	285	2	98.2	96	2	311	2	1,121	2
Ischemic Heart	I20-I25	1,308		84.0	220		75.8	62		221			
Acute Myocardial Infarction	I21-I22	464		29.8	80		27.6	26		81			
Other Heart Diseases	I26-I51	327		21.0	44		15.2	20		43			
Cardiomyopathy	I42	113		7.3	19		6.5	7		20			
Chronic Lower Respiratory Disease	J40-J47	486	3	31.2	20		6.9	6		49	5	405	3
Cerebrovascular Disease	I60-I69	458	4	29.4	94	4	32.4	55	3	64	4	235	4
Diabetes	E10-E14	411	5	26.4	126	3	43.4	28	4	76	3	171	
Accidents	V01-X59, Y85-Y86	282		18.1	42		14.5	18	5	18		199	5
Chronic Liver/Cirrhosis	K70, K73-K74 (Residual)	258		16.6	59	5	20.3	9		26		160	
All Other Causes		1,897			313			115		238		1,202	
65-74 YEARS													
All Causes of Death	A00-Y89	17,428		1,632.8	2,449		1,331.1	1,363		1,524		11,890	
Malignant Neoplasms	C00-C97	6,254	1	585.9	745	1	404.9	506	1	469	1	4,481	1
Colon Cancer	C18	428		40.1	49		26.6	39		43		293	
Pancreatic Cancer	C25	413		38.7	62		33.7	38		44		266	
Lung Cancer	C33-C34	1,871		175.3	117		63.6	115		125		1,496	
Breast Cancer	C50	832		77.9	77		41.9	49		65		635	
Cancer of Female Genitals	C51-C58	638		59.8	94		51.1	52		50		437	
Diseases of the Heart	I00-I09, I11, I13, I20-I51	4,104	2	384.5	622	2	338.1	310	2	468	2	2,664	2
Hypertensive Heart	I11, I13	267		25.0	32		17.4	18		50		164	
Ischemic Heart	I20-I25	3,148		294.9	486		264.2	238		363		2,033	
Acute Myocardial Infarction	I21-I22	1,126		105.5	179		97.3	98		127		712	
Other Heart Diseases	I26-I51	627		58.7	91		49.5	48		52		427	
Chronic Lower Respiratory Disease	J40-J47	1,443	3	135.2	69	5	37.5	31		74	5	1,254	3
Emphysema	J43	183		17.1	4		a	3		8		165	
Cerebrovascular Disease	I60-I69	1,201	4	112.5	184	4	100.0	168	3	124	3	708	4
Diabetes	E10-E14	768	5	72.0	220	3	119.6	62	4	106	4	356	5
Influenza & Pneumonia	J10-J18	381		35.7	62		33.7	35	5	29		253	
All Other Causes	(Residual)	3,277			547			251		254		2,174	

TABLE 5-9B. LEADING CAUSES OF FEMALE DEATHS AND AGE-SPECIFIC DEATH RATES BY HISPANIC AND SELECTED NON-HISPANIC SINGLE RACE GROUPS¹, CALIFORNIA, 2002 (By Place of Residence) - Cont.

(Rates are per 100,000 population in specified groups.)

AGE GROUPS AND CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL FEMALES			HISPANIC			NON-HISPANIC SINGLE RACE GROUPS					
		DEATHS	RANK	RATES	DEATHS	RANK	RATES	DEATHS	RANK	DEATHS	RANK	DEATHS	RANK
75-84 YEARS													
All Causes of Death	A00-Y89	34,340		4,276.8	3,334		3,117.7	2,142		2,189		26,487	
Diseases of the Heart	I00-I09, I11, I13, I20-I51	10,401	1	1,295.4	1,033	1	966.0	658	1	789	1	7,873	1
Hypertensive Heart	I11, I13	620		77.2	57		53.3	44		87		430	
Ischemic Heart	I20-I25	7,980		993.9	821		767.7	529		596		5,995	
Acute Myocardial Infarction	I21-I22	2,575		320.7	281		262.8	207		199		1,878	
Other Heart Diseases	I26-I51	1,690		210.5	143		133.7	78		104		1,358	
Heart Failure	I50	597		74.4	50		46.8	34		26		483	
Malignant Neoplasms	C00-C97	7,876	2	980.9	681	2	636.8	482	2	454	2	6,221	2
Colon Cancer	C18	753		93.8	61		57.0	43		54		590	
Pancreatic Cancer	C25	509		63.4	62		58.0	43		29		372	
Lung Cancer	C33-C34	2,092		260.5	98		91.6	106		102		1,778	
Breast Cancer	C50	953		118.7	66		61.7	41		59		784	
Cancer of Female Genitals	C51-C58	690		85.9	69		64.5	45		37		533	
Cerebrovascular Disease	I60-I69	3,460	3	430.9	342	3	319.8	289	3	237	3	2,573	3
Chronic Lower Respiratory Disease	J40-J47	2,649	4	329.9	119		111.3	67		86	5	2,364	4
Emphysema	J43	310		38.6	11		10.3	7		14		278	
Influenza & Pneumonia	J10-J18	1,272	5	158.4	134	5	125.3	92	5	80		956	
Diabetes	E10-E14	1,204		149.9	276	4	258.1	118	4	124	4	678	
Alzheimer's Disease	G30	1,175		146.3	72		67.3	27		54		1,013	
All Other Causes	(Residual)	6,303			677			409		365		4,809	5
85 YEARS AND OVER													
All Causes of Death	A00-Y89	41,307		12,601.7	2,997		7,403.3	2,027		2,019		34,122	
Diseases of the Heart	I00-I09, I11, I13, I20-I51	16,741	1	5,107.2	1,205	1	2,976.6	804	1	874	1	13,811	1
Hypertensive Heart	I11, I13	1,027		313.3	74		182.8	57		70		825	
Ischemic Heart	I20-I25	12,684		3,869.6	948		2,341.8	632		672		10,400	
Acute Myocardial Infarction	I21-I22	3,368		1,027.5	281		694.1	194		205		2,682	
Other Heart Diseases	I26-I51	2,947		899.1	179		442.2	105		130		2,519	
Heart Failure	I50	1,272		388.1	91		224.8	38		58		1,081	
Cerebrovascular Disease	I60-I69	4,914	2	1,499.1	330	3	815.2	286	2	241	2	4,040	2
Malignant Neoplasms	C00-C97	4,204	3	1,282.5	335	2	827.5	213	3	211	3	3,431	3
Colon Cancer	C18	561		171.1	31		76.6	24		38		465	
Lung Cancer	C33-C34	758		231.2	48		118.6	46		30		630	
Breast Cancer	C50	506		154.4	24		59.3	16		29		437	
Influenza & Pneumonia	J10-J18	2,457	4	749.6	189	4	466.9	141	4	93	5	2,025	5
Alzheimer's Disease	G30	2,371	5	723.3	126		311.2	55		109	4	2,071	4
Chronic Lower Respiratory Disease	J40-J47	1,938		591.2	111		274.2	70	5	58		1,689	
Diabetes	E10-E14	759		231.6	129	5	318.7	61		86		479	
Atherosclerosis	I70	667		203.5	41		101.3	22		18		583	
All Other Causes	(Residual)	7,256			531			375		329		5,993	

- Represents zero events.

a Ranks and rates are not calculated for less than 10 deaths.

¹ Total Female Deaths includes the mutually exclusive groups: Hispanic, Asian, Black, White/Other (shown above), as well as American Indian, Pacific Islander, 2 or More Race Groups, and Unknown Race. These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Note: The ICD-10 Codes for motor vehicle accidents are V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2.

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance, 2002 Population: 1997-2040 Population Projections with Age, Sex and Race/Ethnic Detail, December 1998.

TABLE 5-10. TEN LEADING CAUSES OF DEATH, PERCENT OF DEATHS, DEATH RATES, AND AGE-ADJUSTED DEATH RATES BY SEX, CALIFORNIA, 2002 (By Place of Residence)

(Rates are per 100,000 population in specified groups. Age-adjusted rates are calculated using Year 2000 U.S. standard population.)

RANK	CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL DEATHS	PERCENT ¹	DEATH RATE	AGE-ADJUSTED RATE
	ALL CAUSES	A00-Y899	233,246	100.0	651.5	732.8
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	68,387	29.3	191.0	218.2
2	MALIGNANT NEOPLASMS	C00-C97	53,926	23.1	150.6	169.6
3	CEREBROVASCULAR DISEASE	I60-I69	17,551	7.5	49.0	56.3
4	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	12,643	5.4	35.3	40.7
5	ACCIDENTS	V01-X59, Y85-Y86	9,882	4.2	27.6	28.8
6	INFLUENZA & PNEUMONIA	J10-J18	8,098	3.5	22.6	26.0
7	DIABETES	E10-E14	6,783	2.9	18.9	21.5
8	ALZHEIMER'S DISEASE	G30	5,405	2.3	15.1	17.5
9	CHRONIC LIVER DISEASE & CIRRHOSIS	K70, K73-K74	3,725	1.6	10.4	11.1
10	INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	3,210	1.4	9.0	9.4
	ALL OTHER CAUSES	(Residual)	43,636	18.7		
MALES:						
	ALL CAUSES	A00-Y899	116,768	100.0	649.3	867.1
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	33,955	29.1	188.8	265.9
2	MALIGNANT NEOPLASMS	C00-C97	27,459	23.5	152.7	201.5
3	CEREBROVASCULAR DISEASE	I60-I69	7,043	6.0	39.2	57.0
4	ACCIDENTS	V01-X59, Y85-Y86	6,634	5.7	36.9	40.0
5	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	5,879	5.0	32.7	46.7
6	INFLUENZA & PNEUMONIA	J10-J18	3,697	3.2	20.6	31.3
7	DIABETES	E10-E14	3,307	2.8	18.4	24.4
8	INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	2,500	2.1	13.9	15.3
9	CHRONIC LIVER DISEASE & CIRRHOSIS	K70, K73-K74	2,458	2.1	13.7	15.3
10	ASSAULT (Homicide)	U01-U02, X85-Y09, Y87.1	2,041	1.7	11.3	11.2
	ALL OTHER CAUSES	(Residual)	21,795	18.7		
FEMALES:						
	ALL CAUSES	A00-Y899	116,478	100.0	653.7	626.2
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	34,432	29.6	193.2	180.5
2	MALIGNANT NEOPLASMS	C00-C97	26,467	22.7	148.5	148.4
3	CEREBROVASCULAR DISEASE	I60-I69	10,508	9.0	59.0	55.3
4	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	6,764	5.8	38.0	37.0
5	INFLUENZA & PNEUMONIA	J10-J18	4,401	3.8	24.7	22.7
6	ALZHEIMER'S DISEASE	G30	3,725	3.2	20.9	18.9
7	DIABETES	E10-E14	3,476	3.0	19.5	19.3
8	ACCIDENTS	V01-X59, Y85-Y86	3,248	2.8	18.2	18.1
9	HYPERTENSION	I10, I12	1,419	1.2	8.0	7.4
10	CHRONIC LIVER DISEASE & CIRRHOSIS	K70, K73-K74	1,267	1.1	7.1	7.2
	ALL OTHER CAUSES	(Residual)	20,771	17.8		

¹ Percents are rounded independently and may not add up to totals.

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance, 2002 Population: 1997-2040 Population Projections by Age, Sex, and Race/Ethnic Detail, December 1998.

TABLE 5-10A. TEN LEADING CAUSES OF DEATH, PERCENT OF DEATHS, DEATH RATES, AND AGE-ADJUSTED DEATH RATES BY SEX - HISPANIC - CALIFORNIA, 2002 (By Place of Residence)

(Rates are per 100,000 population in specified groups. Age-adjusted rates are calculated using Year 2000 U.S. standard population.)

RANK	CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL DEATHS	PERCENT ¹	DEATH RATE	AGE-ADJUSTED RATE
	ALL CAUSES	A00-Y899	30,958	100.0	272.7	536.9
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	7,224	23.3	63.6	150.1
2	MALIGNANT NEOPLASMS	C00-C97	6,382	20.6	56.2	115.3
3	ACCIDENTS	V01-X59, Y85-Y86	2,487	8.0	21.9	26.2
4	CEREBROVASCULAR DISEASE	I60-I69	1,977	6.4	17.4	40.8
5	DIABETES	E10-E14	1,634	5.3	14.4	32.2
6	CHRONIC LIVER DISEASE & CIRRHOSIS	K70, K73-K74	1,168	3.8	10.3	17.1
7	ASSAULT (Homicide)	U01-U02, X85-Y09, Y87.1	1,039	3.4	9.2	8.9
8	INFLUENZA & PNEUMONIA	J10-J18	867	2.8	7.6	19.3
9	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	729	2.4	6.4	15.9
10	CERTAIN PERINATAL CONDITIONS	P00-P96	644	2.1	5.7	3.2
	ALL OTHER CAUSES	(Residual)	6,807	22.0		

MALES:

	ALL CAUSES	A00-Y899	17,361	100.0	295.3	638.8
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	3,820	22.0	65.0	179.5
2	MALIGNANT NEOPLASMS	C00-C97	3,237	18.6	55.1	134.3
3	ACCIDENTS	V01-X59, Y85-Y86	1,881	10.8	32.0	38.3
4	ASSAULT (Homicide)	U01-U02, X85-Y09, Y87.1	912	5.3	15.5	14.8
5	CEREBROVASCULAR DISEASE	I60-I69	907	5.2	15.4	42.4
6	CHRONIC LIVER DISEASE & CIRRHOSIS	K70, K73-K74	873	5.0	14.8	25.4
7	DIABETES	E10-E14	786	4.5	13.4	34.2
8	INFLUENZA & PNEUMONIA	J10-J18	439	2.5	7.5	23.9
9	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	382	2.2	6.5	20.6
9	INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	382	2.2	6.5	7.6
	ALL OTHER CAUSES	(Residual)	3,742	21.6		

FEMALES:

	ALL CAUSES	A00-Y899	13,597	100.0	248.4	449.1
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	3,404	25.0	62.2	126.0
2	MALIGNANT NEOPLASMS	C00-C97	3,145	23.1	57.5	102.6
3	CEREBROVASCULAR DISEASE	I60-I69	1,070	7.9	19.6	39.0
4	DIABETES	E10-E14	848	6.2	15.5	30.4
5	ACCIDENTS	V01-X59, Y85-Y86	606	4.5	11.1	13.8
6	INFLUENZA & PNEUMONIA	J10-J18	428	3.1	7.8	16.2
7	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	347	2.6	6.3	12.9
8	CHRONIC LIVER DISEASE & CIRRHOSIS	K70, K73-K74	295	2.2	5.4	9.1
9	CERTAIN PERINATAL CONDITIONS	P00-P96	294	2.2	5.4	3.0
10	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES	Q00-Q99	261	1.9	4.8	3.2
	ALL OTHER CAUSES	(Residual)	2,899	21.3		

Note: Hispanic includes any race category.

¹ Percents are rounded independently and may not add up to totals.

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance, 2002 Population: 1997-2040 Population Projections by Age, Sex, and Race/Ethnic Detail, December 1998.

TABLE 5-10B. TEN LEADING CAUSES OF DEATH AND PERCENT OF DEATHS BY SEX
- 2 OR MORE RACE GROUPS - CALIFORNIA, 2002 (By Place of Residence)

RANK	CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL DEATHS	PERCENT ¹
	ALL CAUSES	A00-Y899	408	100.0
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	74	18.1
2	MALIGNANT NEOPLASMS	C00-C97	72	17.6
3	ACCIDENTS	V01-X59, Y85-Y86	38	9.3
4	CERTAIN PERINATAL CONDITIONS	P00-P96	33	8.1
5	CEREBROVASCULAR DISEASE	I60-I69	20	4.9
6	INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	19	4.7
7	ASSAULT (Homicide)	U01-U02, X85-Y09, Y87.1	16	3.9
8	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	15	3.7
9	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES	Q00-Q99	14	3.4
10	DIABETES	E10-E14	11	2.7
	ALL OTHER CAUSES	(Residual)	96	23.5
MALES:				
	ALL CAUSES	A00-Y899	223	100.0
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	46	20.6
2	MALIGNANT NEOPLASMS	C00-C97	36	16.1
3	ACCIDENTS	V01-X59, Y85-Y86	23	10.3
4	CERTAIN PERINATAL CONDITIONS	P00-P96	18	8.1
5	INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	12	5.4
6	ASSAULT (Homicide)	U01-U02, X85-Y09, Y87.1	11	4.9
a	CEREBROVASCULAR DISEASE	I60-I69	9	4.0
a	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	9	4.0
a	CHRONIC LIVER DISEASE & CIRRHOSIS	K70, K73-K74	6	2.7
a	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES	Q00-Q99	6	2.7
	ALL OTHER CAUSES	(Residual)	47	21.1
FEMALES:				
	ALL CAUSES	A00-Y899	185	100.0
1	MALIGNANT NEOPLASMS	C00-C97	36	19.5
2	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	28	15.1
3	ACCIDENTS	V01-X59, Y85-Y86	15	8.1
3	CERTAIN PERINATAL CONDITIONS	P00-P96	15	8.1
5	CEREBROVASCULAR DISEASE	I60-I69	11	5.9
a	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES	Q00-Q99	8	4.3
a	DIABETES	E10-E14	7	3.8
a	SUICIDE	U03, X60-X84, Y87.0	7	3.8
a	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	6	3.2
a	ALZHEIMER'S DISEASE	G30	6	3.2
	ALL OTHER CAUSES	(Residual)	46	24.9

Note: The 2 or More Race Groups exclude decedents of Hispanic origin. These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

¹ Percents are rounded independently and may not add up to totals.

a Ranks are not presented for less than 10 deaths.

Source: State of California, Department of Health Services, Death Records.

TABLE 5-10C. TEN LEADING CAUSES OF DEATH AND PERCENT OF DEATHS BY SEX
 - AMERICAN INDIAN - CALIFORNIA, 2002 (By Place of Residence)

RANK	CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL DEATHS	PERCENT ¹
	ALL CAUSES	A00-Y899	892	100.0
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	192	21.5
2	MALIGNANT NEOPLASMS	C00-C97	178	20.0
3	ACCIDENTS	V01-X59, Y85-Y86	73	8.2
4	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	57	6.4
5	CEREBROVASCULAR DISEASE	I60-I69	56	6.3
6	CHRONIC LIVER DISEASE & CIRRHOSIS	K70, K73-K74	53	5.9
7	DIABETES	E10-E14	38	4.3
8	INFLUENZA & PNEUMONIA	J10-J18	19	2.1
9	ASSAULT (Homicide)	U01-U02, X85-Y09, Y87.1	18	2.0
10	INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	17	1.9
	ALL OTHER CAUSES	(Residual)	191	21.4

MALES:

	ALL CAUSES	A00-Y899	483	100.0
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	111	23.0
2	MALIGNANT NEOPLASMS	C00-C97	94	19.5
3	ACCIDENTS	V01-X59, Y85-Y86	51	10.6
4	CHRONIC LIVER DISEASE & CIRRHOSIS	K70, K73-K74	31	6.4
5	CEREBROVASCULAR DISEASE	I60-I69	27	5.6
5	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	27	5.6
7	DIABETES	E10-E14	17	3.5
8	INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	15	3.1
9	ASSAULT (Homicide)	U01-U02, X85-Y09, Y87.1	13	2.7
a	INFLUENZA & PNEUMONIA	J10-J18	8	1.7
	ALL OTHER CAUSES	(Residual)	89	18.4

FEMALES:

	ALL CAUSES	A00-Y899	409	100.0
1	MALIGNANT NEOPLASMS	C00-C97	84	20.5
2	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	81	19.8
3	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	30	7.3
4	CEREBROVASCULAR DISEASE	I60-I69	29	7.1
5	ACCIDENTS	V01-X59, Y85-Y86	22	5.4
5	CHRONIC LIVER DISEASE & CIRRHOSIS	K70, K73-K74	22	5.4
7	DIABETES	E10-E14	21	5.1
8	ALZHEIMER'S DISEASE	G30	12	2.9
9	INFLUENZA & PNEUMONIA	J10-J18	11	2.7
a	NEPHRITIS	N00-N07, N17-N19, N25-N27	9	2.2
	ALL OTHER CAUSES	(Residual)	88	21.5

Note: The American Indian race/ethnic group includes Eskimo and Aleut and excludes the 2 or more race groups, as well as decedents of Hispanic origin. These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

¹ Percents are rounded independently and may not add up to totals.

a Ranks are not presented for less than 10 deaths.

Source: State of California, Department of Health Services, Death Records.

TABLE 5-10D. TEN LEADING CAUSES OF DEATH AND PERCENT OF DEATHS BY SEX
- ASIAN - CALIFORNIA, 2002 (By Place of Residence)

RANK	CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL DEATHS	PERCENT ¹
	ALL CAUSES	A00-Y899	15,192	100.0
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	4,173	27.5
2	MALIGNANT NEOPLASMS	C00-C97	4,074	26.8
3	CEREBROVASCULAR DISEASE	I60-I69	1,539	10.1
4	INFLUENZA & PNEUMONIA	J10-J18	616	4.1
5	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	568	3.7
6	DIABETES	E10-E14	559	3.7
7	ACCIDENTS	V01-X59, Y85-Y86	555	3.7
8	INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	231	1.5
9	NEPHRITIS	N00-N07, N17-N19, N25-N27	210	1.4
10	HYPERTENSION	I10, I12	198	1.3
	ALL OTHER CAUSES	(Residual)	2,469	16.3
MALES:				
	ALL CAUSES	A00-Y899	8,024	100.0
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	2,240	27.9
2	MALIGNANT NEOPLASMS	C00-C97	2,115	26.4
3	CEREBROVASCULAR DISEASE	I60-I69	679	8.5
4	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	384	4.8
5	ACCIDENTS	V01-X59, Y85-Y86	342	4.3
6	INFLUENZA & PNEUMONIA	J10-J18	335	4.2
7	DIABETES	E10-E14	279	3.5
8	INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	158	2.0
9	NEPHRITIS	N00-N07, N17-N19, N25-N27	99	1.2
10	HYPERTENSION	I10, I12	79	1.0
	ALL OTHER CAUSES	(Residual)	1,314	16.4
FEMALES:				
	ALL CAUSES	A00-Y899	7,168	100.0
1	MALIGNANT NEOPLASMS	C00-C97	1,959	27.3
2	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	1,933	27.0
3	CEREBROVASCULAR DISEASE	I60-I69	860	12.0
4	INFLUENZA & PNEUMONIA	J10-J18	281	3.9
5	DIABETES	E10-E14	280	3.9
6	ACCIDENTS	V01-X59, Y85-Y86	213	3.0
7	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	184	2.6
8	HYPERTENSION	I10, I12	119	1.7
9	NEPHRITIS	N00-N07, N17-N19, N25-N27	111	1.5
10	ALZHEIMER'S DISEASE	G30	87	1.2
	ALL OTHER CAUSES	(Residual)	1,141	15.9

Note: The Asian race/ethnic group excludes the 2 or more race groups, as well as decedents of Hispanic origin.
These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000.
See Chapter 6.

¹ Percents are rounded independently and may not add up to totals.

Source: State of California, Department of Health Services, Death Records.

TABLE 5-10E. TEN LEADING CAUSES OF DEATH AND PERCENT OF DEATHS BY SEX
 - BLACK - CALIFORNIA, 2002 (By Place of Residence)

RANK	CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL DEATHS	PERCENT ¹
	ALL CAUSES	A00-Y899	18,402	100.0
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	5,434	29.5
2	MALIGNANT NEOPLASMS	C00-C97	3,982	21.6
3	CEREBROVASCULAR DISEASE	I60-I69	1,309	7.1
4	DIABETES	E10-E14	812	4.4
5	ACCIDENTS	V01-X59, Y85-Y86	781	4.2
6	ASSAULT (Homicide)	U01-U02, X85-Y09, Y87.1	740	4.0
7	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	679	3.7
8	INFLUENZA & PNEUMONIA	J10-J18	470	2.6
9	HUMAN IMMUNODEFICIENCY VIRUS DISEASE	B20-B24	363	2.0
10	HYPERTENSION	I10, I12	303	1.6
	ALL OTHER CAUSES	(Residual)	3,529	19.2
MALES:				
	ALL CAUSES	A00-Y899	9,568	100.0
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	2,688	28.1
2	MALIGNANT NEOPLASMS	C00-C97	2,071	21.6
3	ASSAULT (Homicide)	U01-U02, X85-Y09, Y87.1	653	6.8
4	CEREBROVASCULAR DISEASE	I60-I69	546	5.7
5	ACCIDENTS	V01-X59, Y85-Y86	540	5.6
6	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	361	3.8
7	DIABETES	E10-E14	352	3.7
8	HUMAN IMMUNODEFICIENCY VIRUS DISEASE	B20-B24	264	2.8
9	INFLUENZA & PNEUMONIA	J10-J18	222	2.3
10	NEPHRITIS	N00-N07, N17-N19, N25-N27	130	1.4
	ALL OTHER CAUSES	(Residual)	1,741	18.2
FEMALES:				
	ALL CAUSES	A00-Y899	8,834	100.0
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	2,746	31.1
2	MALIGNANT NEOPLASMS	C00-C97	1,911	21.6
3	CEREBROVASCULAR DISEASE	I60-I69	763	8.6
4	DIABETES	E10-E14	460	5.2
5	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	318	3.6
7	INFLUENZA & PNEUMONIA	J10-J18	248	2.8
6	ACCIDENTS	V01-X59, Y85-Y86	241	2.7
8	HYPERTENSION	I10, I12	184	2.1
9	ALZHEIMER'S DISEASE	G30	172	1.9
10	NEPHRITIS	N00-N07, N17-N19, N25-N27	133	1.5
	ALL OTHER CAUSES	(Residual)	1,658	18.8

Note: The Black race/ethnic group excludes the 2 or more race groups, as well as decedents of Hispanic origin.
 These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000.
 See Chapter 6.

¹ Percents are rounded independently and may not add up to totals.

Source: State of California, Department of Health Services, Death Records.

TABLE 5-10F. TEN LEADING CAUSES OF DEATH AND PERCENT OF DEATHS BY SEX
- PACIFIC ISLANDER - CALIFORNIA, 2002 (By Place of Residence)

RANK	CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL DEATHS	PERCENT ¹
	ALL CAUSES	A00-Y899	569	100.0
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	156	27.4
2	MALIGNANT NEOPLASMS	C00-C97	128	22.5
3	CEREBROVASCULAR DISEASE	I60-I69	49	8.6
4	DIABETES	E10-E14	40	7.0
5	ACCIDENTS	V01-X59, Y85-Y86	25	4.4
6	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	24	4.2
7	ASSAULT (Homicide)	U01-U02, X85-Y09, Y87.1	15	2.6
8	INFLUENZA & PNEUMONIA	J10-J18	11	1.9
8	NEPHRITIS	N00-N07, N17-N19, N25-N27	11	1.9
a	INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	9	1.6
	ALL OTHER CAUSES	(Residual)	101	17.8
MALES:				
	ALL CAUSES	A00-Y899	308	100.0
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	93	30.2
2	MALIGNANT NEOPLASMS	C00-C97	64	20.8
3	CEREBROVASCULAR DISEASE	I60-I69	22	7.1
4	ACCIDENTS	V01-X59, Y85-Y86	19	6.2
5	DIABETES	E10-E14	16	5.2
6	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	13	4.2
6	ASSAULT (Homicide)	U01-U02, X85-Y09, Y87.1	13	4.2
a	INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	6	1.9
a	NEPHRITIS	N00-N07, N17-N19, N25-N27	5	1.6
	ALL OTHER CAUSES	(Residual)	57	18.5
FEMALES:				
	ALL CAUSES	A00-Y899	261	100.0
1	MALIGNANT NEOPLASMS	C00-C97	64	24.5
2	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	63	24.1
3	CEREBROVASCULAR DISEASE	I60-I69	27	10.3
4	DIABETES	E10-E14	24	9.2
5	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	11	4.2
a	INFLUENZA & PNEUMONIA	J10-J18	7	2.7
a	ACCIDENTS	V01-X59, Y85-Y86	6	2.3
a	NEPHRITIS	N00-N07, N17-N19, N25-N27	6	2.3
	ALL OTHER CAUSES	(Residual)	53	20.3

Note: The Pacific Islander race/ethnic group includes Hawaiian and excludes the 2 or more race groups, as well as decedents of Hispanic origin.

These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000.
See Chapter 6.

¹ Percents are rounded independently and may not add up to totals.

a Ranks are not presented for less than 10 deaths.

Source: State of California, Department of Health Services, Death Records.

TABLE 5-10G. TEN LEADING CAUSES OF DEATH AND PERCENT OF DEATHS BY SEX
- WHITE/OTHER - CALIFORNIA, 2002 (By Place of Residence)

RANK	CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL DEATHS	PERCENT ¹
	ALL CAUSES	A00-Y899	166,679	100.0
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	51,104	30.7
2	MALIGNANT NEOPLASMS	C00-C97	39,098	23.5
3	CEREBROVASCULAR DISEASE	I60-I69	12,598	7.6
4	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	10,566	6.3
5	INFLUENZA & PNEUMONIA	J10-J18	6,100	3.7
6	ACCIDENTS	V01-X59, Y85-Y86	5,915	3.5
7	ALZHEIMER'S DISEASE	G30	4,694	2.8
8	DIABETES	E10-E14	3,687	2.2
9	INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	2,334	1.4
10	CHRONIC LIVER DISEASE & CIRRHOSIS	K70, K73-K74	2,146	1.3
	ALL OTHER CAUSES	(Residual)	28,437	17.1
MALES:				
	ALL CAUSES	A00-Y899	80,703	100.0
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	24,931	30.9
2	MALIGNANT NEOPLASMS	C00-C97	19,838	24.6
3	CEREBROVASCULAR DISEASE	I60-I69	4,852	6.0
4	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	4,701	5.8
5	ACCIDENTS	V01-X59, Y85-Y86	3,774	4.7
6	INFLUENZA & PNEUMONIA	J10-J18	2,682	3.3
7	DIABETES	E10-E14	1,853	2.3
8	INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	1,805	2.2
9	ALZHEIMER'S DISEASE	G30	1,460	1.8
10	CHRONIC LIVER DISEASE & CIRRHOSIS	K70, K73-K74	1,347	1.7
	ALL OTHER CAUSES	(Residual)	13,460	16.7
FEMALES:				
	ALL CAUSES	A00-Y899	85,976	100.0
1	DISEASES OF HEART	I00-I09, I11, I13, I20-I51	26,173	30.4
2	MALIGNANT NEOPLASMS	C00-C97	19,260	22.4
3	CEREBROVASCULAR DISEASE	I60-I69	7,746	9.0
4	CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	5,865	6.8
5	INFLUENZA & PNEUMONIA	J10-J18	3,418	4.0
6	ALZHEIMER'S DISEASE	G30	3,234	3.8
7	ACCIDENTS	V01-X59, Y85-Y86	2,141	2.5
8	DIABETES	E10-E14	1,834	2.1
9	HYPERTENSION	I10, I12	939	1.1
10	ATHEROSCLEROSIS	I70	840	1.0
	ALL OTHER CAUSES	(Residual)	14,526	16.9

Note: The White/Other race/ethnic group excludes the 2 or more race groups, as well as decedents of Hispanic origin.

These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000.

See Chapter 6.

¹ Percents are rounded independently and may not add up to totals.

Source: State of California, Department of Health Services, Death Records.

TABLE 6-11. LEADING CAUSES OF DEATH AND PERCENT OF DEATHS BY RACE¹, CALIFORNIA, 2002 (By Place of Residence)

RACE OF DECEDENT	TOTAL ALL CAUSES A00-Y89	Diseases of the Heart 100-109, I11, I13, I20-I51	Malignant Neoplasms C00-C97	Cerebro- vascular Disease 160-169	Chronic Lower Respiratory Disease J40-J47	Accidents V01-X59, Y85-Y86	Influenza/ Pneumonia J10-J18	Diabetes E10-E14	Alzheimer's Disease G30	Cirrhosis K70, K73-K74	Intentional Self-Harm U03, X60-X84, Y87.0	Assault (Homicide) U01-U02, X85-Y09, Y87.1	Hyperten- sion I10, I12	ALL OTHER CAUSES Residual
DEATHS:														
TOTAL	233,246	68,387	53,926	17,551	12,643	9,882	8,098	6,783	5,405	3,725	3,210	2,459	2,330	38,847
2 OR MORE RACE GROUPS	526	93	90	26	19	50	10	14	9	14	24	20	4	153
AMERICAN INDIAN	9,705	205	195	60	58	80	20	44	14	56	20	22	10	191
BLACK	18,505	5,445	4,000	1,318	682	787	473	818	237	227	156	743	306	3,313
CAMBODIAN	283	50	63	32	9	14	6	15	-	9	7	14	5	59
CHINESE	4,382	1,133	1,251	502	191	126	217	137	38	22	55	29	65	616
ESKIMO/ALEUT	4	-	1	-	-	1	-	-	-	-	-	-	-	2
FILIPINO	4,232	1,308	1,035	441	177	139	154	169	36	20	45	21	56	631
GUAMANIAN	88	26	10	8	3	5	2	6	1	-	3	1	-	23
HAWAIIAN	98	26	26	6	7	5	2	8	-	2	1	-	-	15
HMONG	176	43	29	12	11	15	4	6	1	-	2	5	5	43
INDIAN (INDIA)	826	279	164	52	23	57	27	44	8	14	14	8	9	127
JAPANESE	2,120	619	607	207	46	57	92	69	25	17	28	4	27	322
KOREAN	1,306	331	371	125	41	60	52	64	7	9	37	11	9	189
LAOTIAN	246	56	61	27	11	9	7	5	2	4	6	4	4	50
SAMOAN	186	47	41	15	11	4	2	12	1	-	3	10	1	39
THAI	107	25	43	5	-	6	2	3	1	1	1	3	-	17
VIETNAMESE	1,248	239	385	123	57	60	46	36	9	21	29	14	13	216
WHITE	197,084	58,247	45,366	14,540	11,279	8,356	6,953	5,292	5,005	3,290	2,761	1,535	1,808	32,652
OTHER ASIAN	334	96	85	20	7	20	11	12	5	3	8	3	5	59
OTHER PACIFIC ISLANDER	207	58	51	20	3	13	5	18	2	2	2	4	-	29
OTHER	161	30	40	9	3	10	6	9	3	6	6	3	2	38
UNKNOWN	152	31	12	3	5	8	7	2	1	8	6	5	1	63
PERCENT² BY RACE														
TOTAL	100.0	29.3	23.1	7.5	5.4	4.2	3.5	2.9	2.3	1.6	1.4	1.1	1.0	16.7
2 OR MORE RACE GROUPS	100.0	17.7	17.1	4.9	3.6	9.5	1.9	2.7	1.7	2.7	4.6	3.8	0.8	29.1
AMERICAN INDIAN	100.0	21.0	20.0	6.2	5.9	8.2	2.1	4.5	1.4	5.7	2.1	2.3	1.0	19.6
BLACK	100.0	29.4	21.6	7.1	3.7	4.3	2.6	4.4	1.3	1.2	0.8	4.0	1.7	17.9
CAMBODIAN	100.0	17.7	22.3	11.3	3.2	4.9	2.1	5.3	-	3.2	2.5	4.9	1.8	20.8
CHINESE	100.0	25.9	28.5	11.5	4.4	2.9	5.0	3.1	0.9	0.5	1.3	0.7	1.5	14.1
ESKIMO/ALEUT	100.0	-	25.0	-	25.0	-	-	-	-	-	-	-	-	50.0
FILIPINO	100.0	30.9	24.5	10.4	4.2	3.3	3.6	4.0	0.9	0.5	1.1	0.5	1.3	14.9
GUAMANIAN	100.0	29.5	11.4	9.1	3.4	5.7	2.3	6.8	1.1	-	3.4	1.1	-	26.1
HAWAIIAN	100.0	26.5	6.1	7.1	5.1	2.0	8.2	-	2.0	1.0	-	-	-	15.3
HMONG	100.0	24.4	16.5	6.8	6.3	8.5	2.3	3.4	0.6	-	1.1	2.8	2.8	24.4
INDIAN (INDIA)	100.0	33.8	19.9	6.3	2.8	6.9	3.3	5.3	1.0	1.7	1.7	1.0	1.1	15.4
JAPANESE	100.0	29.2	28.6	9.8	2.2	2.7	4.3	3.3	1.2	0.8	1.3	0.2	1.3	15.2
KOREAN	100.0	25.3	28.4	9.6	3.1	4.6	4.0	4.9	0.5	0.7	2.8	0.8	0.7	14.5
LAOTIAN	100.0	22.8	24.8	11.0	4.5	3.7	2.8	2.0	0.8	1.6	2.4	1.6	1.6	20.3
SAMOAN	100.0	25.3	22.0	8.1	5.9	2.2	1.1	6.5	0.5	-	1.6	5.4	0.5	21.0
THAI	100.0	23.4	40.2	4.7	-	5.6	1.9	2.8	0.9	0.9	0.9	2.8	-	15.9
VIETNAMESE	100.0	19.2	30.8	9.9	4.6	4.8	3.7	2.9	0.7	1.7	2.3	1.1	1.0	17.3
WHITE	100.0	29.6	23.0	7.4	5.7	4.2	3.5	2.7	2.5	1.4	1.4	0.8	0.9	16.6
OTHER ASIAN	100.0	28.7	25.4	6.0	2.1	6.0	3.3	3.6	1.5	2.4	1.6	2.4	0.9	17.7
PACIFIC ISLANDER	100.0	28.0	24.6	9.7	1.4	6.3	2.4	8.7	1.0	1.0	1.0	1.0	-	14.0
OTHER	100.0	18.6	24.8	5.6	1.9	6.2	3.7	5.6	1.9	3.7	1.2	1.9	1.2	23.6
UNKNOWN	100.0	20.4	7.9	2.0	3.3	5.3	4.6	1.3	0.7	5.3	3.9	3.3	0.7	41.4

- Represents zero events.

¹ The list of races on this table is compiled by identifying decedents who were reported as being of 2 or more races groups before tabulating single races.
This list of races is not comparable with races used in Vital Statistics of California reports prior to 2000. See Chapter 6.

² Percents are rounded independently and may not add to totals.

Note: Causes of death are coded to the Tenth Revision of the International Classification of Diseases.
Source: State of California, Department of Health Services, Death Records.

TABLE 5-12. SELECTED DETAIL FROM THE LEADING CAUSES OF DEATH BY SEX AND RACE/ETHNIC GROUP¹, CALIFORNIA, 2002 (By Place of Residence)

SELECTED DETAIL FROM THE LEADING CAUSES OF DEATH IN CALIFORNIA											
			MALE DEATHS								
			CANCER			HEART DISEASE			ACCIDENTS		
RACE/ETHNIC GROUPS	COLON C18	LUNG C33-C34	PROSTATE C61	HYPERTEN-SIVE HEART I11, I13	ISCHEMIC HEART I20-I25	CARDIO-MYOPATHY I42	MOTOR VEHICLE (See Footnote)	POISONINGS X40-X49	DROWNINGS W65-W74	BY FIREARMS X72-X74	BY FIREARMS U01.4, X93-X95
TOTAL MALES	2,111	7,432	3,049	1,945	26,530	1,831	2,883	1,599	283	1,312	1,578
HISPANIC	261	582	317	224	2,982	242	1,037	370	87	156	731
NON-HISPANIC											
2 OR MORE RACE GROUPS	1	9	-	2	39	2	10	6	3	5	7
AMERICAN INDIAN	8	28	12	2	85	9	25	12	5	8	9
ASIAN	186	560	118	152	1,807	104	195	26	33	52	58
BLACK	180	596	343	329	1,891	220	200	197	28	58	567
PACIFIC ISLANDER	4	17	9	5	74	10	11	1	-	1	8
WHITE	1,470	5,639	2,250	1,229	19,629	1,244	1,403	987	127	1,031	197
OTHER RACES	-	-	-	-	3	-	-	-	-	-	-
NOT STATED	1	1	-	2	20	-	2	-	-	-	1
FEMALE DEATHS											
			CANCER			HEART DISEASE			ACCIDENTS		
RACE/ETHNIC GROUPS	COLON C18	LUNG C33-C34	BREAST C50	FEMALE GENITALS C51-C58	HYPERTEN-SIVE HEART I11, I13	ISCHEMIC HEART I20-I25	MOTOR VEHICLE (See Footnote)	POISONINGS X40-X49	DROWNINGS W65-W74	BY FIREARMS X72-X74	BY FIREARMS U01.4, X93-X95
TOTAL FEMALES	2,206	6,306	4,116	2,737	2,256	25,783	1,237	777	83	172	216
HISPANIC	213	375	462	419	200	2,599	357	90	19	10	61
NON-HISPANIC											
2 OR MORE RACE GROUPS	2	11	5	5	1	21	8	3	2	4	-
AMERICAN INDIAN	9	22	9	15	5	58	11	6	-	1	3
ASIAN	170	358	289	212	137	1,487	106	18	12	8	17
BLACK	174	422	345	182	311	1,988	78	98	3	8	57
PACIFIC ISLANDER	5	11	14	5	1	42	4	1	-	1	2
WHITE	1,631	5,106	2,991	1,898	1,601	19,584	671	560	46	140	76
OTHER RACES	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	2	1	1	1	-	3	2	-	-	-	-

¹ The race/ethnic groups in this table provide a mutually exclusive list with Hispanic, 2 or more race groups, and single races. American Indian includes Eskimo and Aleut, Pacific Islander includes Hawaiian. These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

- Represents zero events.

Note: The ICD-10 codes for motor vehicle accidents are: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2.

Source: State of California, Department of Health Services, Death Records.

TABLE 5-13. NINETEEN MAJOR CAUSES OF DEATH, DEATH RATES, AND AGE-ADJUSTED DEATH RATES BY SEX, CALIFORNIA, 2002 (By Place of Residence)
(Rates are per 100,000 population in specified groups. Age-adjusted rates are calculated using Year 2000 U.S. standard population.)

CAUSES OF DEATH	ICD (Rev. 10)	DEATHS		DEATH RATES		AGE-ADJUSTED RATES				
		TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL ALL CAUSES	A00-Y89	233,246	116,768	116,478	651.5	649.3	653.7	732.8	867.1	626.2
HUMAN IMMUNODEFICIENCY VIRUS DISEASE (HIV/D)	B20-B24	1,423	1,217	206	4.0	6.8	1.2	4.0	6.8	1.2
MALIGNANT NEOPLASMS	C00-C97	53,926	27,459	26,467	150.6	152.7	148.5	169.6	201.5	148.4
DIABETES	E10-E14	6,783	3,307	3,476	18.9	18.4	19.5	21.5	24.4	19.3
PARKINSON'S DISEASE	G20-G21	1,576	891	685	4.4	5.0	3.8	5.1	7.5	3.6
ALZHEIMER'S DISEASE	G30	5,405	1,680	3,725	15.1	9.3	20.9	17.5	14.9	18.9
HEART DISEASE	I00-I09, I11, I13, I20-I51	68,387	33,955	34,432	191.0	188.8	193.2	218.2	265.9	180.6
HYPERTENSION	I10, I12	2,330	911	1,419	6.5	5.1	8.0	7.5	7.3	7.4
CEREBROVASCULAR DISEASE	I60-I69	17,551	7,043	10,508	49.0	39.2	59.0	56.3	57.0	55.3
ATHEROSCLEROSIS	I70	1,584	581	1,003	4.4	3.2	5.6	5.1	5.0	5.1
AORTIC ANEURYSM	I71	1,386	873	513	3.9	4.9	2.9	4.4	6.6	2.8
INFLUENZA & PNEUMONIA	J10-J18	8,098	3,697	4,401	22.6	20.6	24.7	26.0	31.3	22.7
CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	12,643	5,879	6,764	35.3	32.7	38.0	40.7	46.7	37.0
CHRONIC LIVER DISEASE AND CIRRHOSIS	K70, K73-K74	3,725	2,458	1,267	10.4	13.7	7.1	11.1	15.3	7.2
NEPHRITIS	N00-N07, N17-N19, N25-N27	2,149	1,101	1,048	6.0	6.1	5.9	6.8	8.7	5.7
CERTAIN PERINATAL CONDITIONS	P00-P96	1,400	801	599	3.9	4.5	3.4	3.8	3.8	3.0
CONGENITAL MALFORMATION, DEFORMATIONS, AND CHROMOSOMAL ABNORMALITIES	Q00-Q99	1,302	682	620	3.6	3.8	3.5	3.4	3.6	3.2
ACCIDENTS	V01-X59, Y85-Y86	9,882	6,634	3,248	27.6	36.9	18.2	28.8	40.0	18.1
INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0	3,210	2,500	710	9.0	13.9	4.0	9.4	15.3	4.1
ASSAULT (Homicide)	U01-U02, X85-Y09, Y87.1	2,459	2,041	418	6.9	11.3	2.3	6.9	11.2	2.4

Source: State of California, Department of Health Services, Death Records.
State of California, Department of Finance, 2002 Population: 1970-2040 Population Projections by Age, Sex, and Race/Ethnic Detail, December 1998.

TABLE 5-14. NINETEEN MAJOR CAUSES OF DEATH BY RACE/ETHNIC GROUP¹, CALIFORNIA, 2002 (By Place of Residence)

CAUSES OF DEATH	ICD (Rev. 10)	RACE/ETHNIC GROUPS						NON-HISPANIC RACES					
		HISPANIC		2 OR MORE RACE GROUPS				AMERICAN INDIAN		ASIAN			
		TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL ALL CAUSES	A00-Y89	30,958	17,361	13,597	408	223	185	892	483	409	15,192	8,024	7,168
HUMAN IMMUNODEFICIENCY VIRUS DISEASE	B20-B24	358	316	42	1	-	1	7	6	1	38	30	8
MALIGNANT NEOPLASMS	C00-C97	6,382	3,237	3,145	72	36	36	178	94	84	4,074	2,115	1,959
DIABETES	E10-E14	1,634	786	848	11	4	7	38	17	21	559	279	280
PARKINSON'S DISEASE	G20-G21	114	63	51	2	1	1	-	-	-	83	36	47
ALZHEIMER'S DISEASE	G30	319	108	211	8	2	6	13	1	12	131	44	87
HEART DISEASE	I00-I09, I11, I13, I20-I51	7,224	3,820	3,404	74	46	28	192	111	81	4,173	2,240	1,933
HYPERTENSION	I10, I12	284	114	170	3	1	2	10	5	5	198	79	119
CEREBROVASCULAR DISEASE	I60-I69	1,977	907	1,070	20	9	11	56	27	29	1,539	679	860
ATHEROSCLEROSIS	I70	130	54	76	1	-	1	7	1	6	57	25	32
AORTIC ANEURYSM	I71	102	71	31	3	3	-	1	1	-	109	77	32
INFLUENZA & PNEUMONIA	J10-J18	867	439	428	9	4	5	19	8	11	616	335	213
CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	729	382	347	15	9	6	57	27	30	568	384	184
CHRONIC LIVER DISEASE AND CIRRHOSIS	K70, K73-K74 N00-N07, N17- N19, N25-N27	1,168	873	295	7	6	1	53	31	22	117	73	44
NEPHRITIS	414	200	214	4	2	2	14	5	9	210	99	111	
CERTAIN PERINATAL CONDITIONS	P00-P96	644	350	294	33	18	15	8	5	3	92	54	38
CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES	Q00-Q99 V01-X59, Y85-Y86 U03, X60-X84, Y87.0 U01-U02, X85-Y09, Y87.1	548	287	261	14	6	8	3	1	2	94	46	48
ACCIDENTS													
INTENTIONAL SELF-HARM (Suicide)													
ASSAULT (Homicide)													

TABLE 5-14. NINETEEN MAJOR CAUSES OF DEATH BY RACE/ETHNIC GROUP¹, CALIFORNIA, 2002 (By Place of Residence) - Cont.

CAUSES OF DEATH	ICD (Rev. 10)	RACE/ETHNIC GROUPS									
		NON-HISPANIC RACES									
		BLACK		PACIFIC ISLANDER		WHITE/OTHER RACES		NOT STATED			
		TOTAL	MALE	TOTAL	MALE	TOTAL	MALE	TOTAL	MALE	TOTAL	MALE
TOTAL ALL CAUSES	A00-Y89	18,402	9,568	8,834	569	308	261	166,679	80,703	85,976	146
HUMAN IMMUNODEFICIENCY VIRUS DISEASE	B20-B24	363	264	99	2	2	-	652	597	55	2
MALIGNANT NEOPLASMS	C00-C97	3,982	2,071	1,911	128	64	64	39,098	19,838	19,260	12
DIABETES	E10-E14	812	352	460	40	16	24	3,687	1,853	1,834	2
PARKINSON'S DISEASE	G20-G21	36	19	17	2	1	1	1,339	771	568	-
ALZHEIMER'S DISEASE	G30	235	63	172	4	2	2	4,694	1,460	3,234	1
HEART DISEASE	I00-I09, I11, I13, I20-I51	5,434	2,688	2,746	156	93	63	51,104	24,931	26,173	30
HYPERTENSION	I10, I12	303	119	184	1	1	-	1,530	591	939	1
CEREBROVASCULAR DISEASE	I60-I69	1,309	546	763	49	22	27	12,598	4,852	7,746	3
ATHEROSCLEROSIS	I70	71	26	45	5	2	3	1,312	472	840	1
AORTIC ANEURYSM	I71	98	56	42	2	1	1	1,071	664	407	-
INFLUENZA & PNEUMONIA	J10-J18	470	222	248	11	4	7	6,100	2,682	3,418	6
CHRONIC LOWER RESPIRATORY DISEASE	J40-J47	679	361	318	24	13	11	10,566	4,701	5,865	5
CHRONIC LIVER DISEASE AND CIRRHOSIS	K70, K73-K74	223	120	103	4	1	3	2,146	1,347	799	7
NEPHRITIS	N00-N07, N17- N19, N25-N27	263	130	133	11	5	6	1,232	659	573	1
CERTAIN PERINATAL CONDITIONS	P00-P96	211	127	84	5	2	3	403	243	160	4
CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES	Q00-Q99 V01-X59, Y85-Y86	102	55	47	1	1	-	540	286	254	-
ACCIDENTS	U03, X60-X84, Y87.0	781	540	241	25	19	6	5,915	3,774	2,141	8
INTENTIONAL SELF-HARM (Suicide)	U01-U02, X85-Y09, Y87.1	152	116	36	9	6	3	2,334	1,805	529	6
ASSAULT (Homicide)		740	653	87	15	13	2	512	357	155	5

¹ The race/ethnic groups in this table provide a mutually exclusive list with Hispanic, 2 or more race groups, and single races. American Indian includes Eskimo and Aleut, Pacific Islander includes Hawaiian. These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

- Represents zero events.

Source: State of California, Department of Health Services, Death Records.

TABLE 5-15. MAJOR CAUSES OF DEATH AND DEATH RATES BY HISPANIC AND SELECTED NON-HISPANIC SINGLE RACE GROUPS¹, CALIFORNIA, 2002 (By Place of Residence)
 (Rates are per 100,000 population in specified groups.)

CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL DEATHS		HISPANIC		NON-HISPANIC		RACE/ETHNIC GROUPS	
		DEATHS	RATES	DEATHS	RATES	ASIAN	BLACK	WHITE/OTHER	
								DEATHS	DEATHS
ALL CAUSES	A00-Y89	233,246	651.5	30,958	272.7	15,192	18,402	166,679	
CERTAIN INFECTIOUS AND PARASITIC DISEASES									
Human Immunodeficiency Virus Disease	#	A00-B99	4,490	12.5	1,005	8.9	336	605	2,494
MALIGNANT NEOPLASMS	#	B20-B24	1,423	4.0	358	3.2	38	363	652
Of Digestive Organs		C00-C97	53,926	150.6	6,382	56.2	4,074	3,982	39,098
Esophagus		C15-C26	13,539	37.8	1,967	17.2	1,502	1,033	8,949
Stomach		C16	1,190	3.3	121	1.1	64	73	922
Colon		C18	1,594	4.5	375	3.3	279	137	794
Liver		C22.0, C22.2-C22.9	4,317	12.1	474	4.2	356	354	3,101
Pancreas		C25	1,512	4.2	325	2.9	362	113	698
Of Respiratory Organs		C30-C39	3,085	8.6	381	3.4	247	236	2,201
Lung		C33-C34	14,175	39.6	1,019	9.0	936	1,062	11,053
Of Breast		C50	4,154	11.6	467	8.4	918	1,018	10,745
Of Female Genital Organs		C51-C58	2,737	7.6	419	3.7	292	346	3,019
Of Male Genital Organs		C60-C63	3,134	8.8	343	3.0	212	182	1,898
Prostate		C61	3,049	8.5	317	2.8	121	351	2,297
Of Urinary Organs		C64-C68	2,451	6.8	305	2.7	118	343	2,250
Of Brain		C71	1,371	3.8	195	1.7	115	130	1,889
Of Lymphatic and Hematopoietic Tissues		C81-C96	5,604	15.7	831	7.3	387	369	3,977
Non-Hodgkin's Lymphoma		C82-C85	2,211	6.2	309	2.7	178	102	1,610
Leukemia		C91-C95	2,116	5.9	322	2.8	133	130	1,511
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	#	E00-E88	8,644	24.1	1,882	16.6	647	983	5,024
Diabetes		E10-E14	6,783	18.9	1,634	14.4	559	812	3,687
MENTAL AND BEHAVIORAL DISORDERS		F01-F99	4,425	12.4	497	4.4	165	290	3,439
Organic Dementia		F01, F03	2,842	7.9	174	1.5	118	139	2,398
DISEASES OF NERVOUS SYSTEM		G00-G98	9,165	25.6	757	6.7	327	454	7,582
Parkinson's Disease	#	G20-G21	1,576	4.4	114	1.0	83	36	1,339
Alzheimer's Disease	#	G30	5,405	15.1	319	2.8	131	235	4,694
DISEASES OF THE CIRCULATORY SYSTEM		I00-I99	92,516	258.4	9,856	86.8	6,130	7,347	68,552
Diseases of the Heart	#	I00-I09, I11, I13, I20-I51	68,387	191.0	7,224	63.6	4,173	5,434	51,104
Hypertensive Heart		I11, I13	4,201	11.7	424	3.7	289	640	2,830
Ischemic Heart		I20-I25	52,313	146.1	5,681	49.2	3,294	3,879	39,217
Acute Myocardial Infarction		I21-I22	15,912	44.4	1,822	16.0	1,218	1,174	11,556
Atherosclerotic Cardiovascular Disease		I25.0	8,159	22.8	926	8.2	400	869	5,902
Other Heart Diseases		I26-I51	11,427	31.9	1,160	10.2	550	896	8,731
Cardiomyopathy		I42	2,988	8.3	381	3.4	178	365	2,033
Heart Failure		I50	3,559	9.9	321	2.8	160	216	2,838
Hypertension	#	I10,I12	2,330	6.5	284	2.5	198	303	1,530
Cerebrovascular Disease	#	I60-I69	17,551	49.0	1,977	17.4	1,539	1,309	12,598
Atherosclerosis		I70	1,584	4.4	130	1.1	57	71	1,312
Aortic Aneurysm		I71	1,386	3.9	102	0.9	109	98	1,071

TABLE 5-15. MAJOR CAUSES OF DEATH AND DEATH RATES BY HISPANIC AND SELECTED NON-HISPANIC SINGLE RACE GROUPS¹, CALIFORNIA, 2002 (By Place of Residence) - Cont.
(Rates are per 100,000 population in specified groups.)

CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL DEATHS		HISPANIC		RACE/ETHNIC GROUPS	
		DEATHS	RATES	DEATHS	RATES	ASIAN DEATHS	NON-HISPANIC SINGLE RACE GROUPS BLACK DEATHS
DISEASES OF RESPIRATORY SYSTEM							
Influenza and Pneumonia #	J00-J98	23,571	65.8	1,999	17.6	1,355	1,274
Chronic Lower Respiratory Disease #	J10-J18	8,098	22.6	867	7.6	470	6,100
Emphysema	J40-J47	12,643	35.3	729	6.4	679	10,566
	J43	1,533	4.3	62	0.5	57	1,315
DISEASES OF DIGESTIVE SYSTEM							
Chronic Liver/Cirrhosis #	K00-K92	9,045	25.3	1,934	17.0	430	573
	K70,K73-K74	3,725	10.4	1,168	10.3	117	223
DISEASES OF GENITOURINARY SYSTEM							
Nephritis #	N00-N98	3,993	11.2	588	5.2	304	380
	N00-N07, N17-N19						2,676
	N25-N27	2,149	6.0	414	3.6	210	263
CERTAIN PERINATAL CONDITIONS	#	P00-P96	1,400	3.9	644	5.7	92
CONGENITAL MALFORMATIONS	#	Q00-Q99	1,302	3.6	548	4.8	94
SYMPTOMS, SIGNS AND ABNORMAL FINDINGS							
Sudden Infant Death Syndrome	R00-R99	1,151	3.2	254	2.2	58	147
	R95	168	0.5	50	0.4	8	28
ACCIDENTS	#	V01-X59, Y85-Y86	9,882	27.6	2,487	21.9	555
	See Footnote	4,120	11.5	1,394	12.3	301	781
	W00-W19	1,472	4.1	204	1.8	109	278
	W65-W74	366	1.0	106	0.9	45	51
	X40-X49	2,376	6.6	460	4.1	44	1,101
							1,171
INTENTIONAL SELF-HARM (Suicide)	#	U03, X60-X84, Y87.0	3,210	9.0	442	3.9	231
	X72-X74	1,484	4.1	166	1.5	60	66
Firearms							2,334
ASSAULT (Homicide)	#	U01-U02, X85-Y09, Y87.1	2,459	6.9	1,039	9.2	114
	U01.4, X93-X95	1,794	5.0	792	7.0	75	740
ALL OTHER CAUSES		RESIDUAL	4,067	644		280	624
						381	512
							273
							591
							2,724

Causes of death marked with a "#" are rankable as leading causes of death. See NCHS' Instructional Manual Part 9: ICD-10 Cause of Death Listings for Tabulating Mortality Statistics at www.cdc.gov/nchs/data/dvs/im9_2002.pdf.pdf.

¹ Total deaths include the mutually exclusive groups: Hispanic, Asian, Black, White/Other (shown above), as well as American Indian, Pacific Islander, 2 or More Race Groups, and Unknown Race. These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Note: The ICD-10 Codes for Motor Vehicle Accidents are: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0-V89.2.

Source: State of California, Department of Health Services, Death Records.
State of California, Department of Finance, 2002 Population: 1997-2040 Population Projections by Age, Sex and Race/Ethnic Detail, December 1998.

TABLE 5-15A. MAJOR CAUSES OF **MALE DEATHS** AND DEATH RATES BY HISPANIC, AND SELECTED NON-HISPANIC SINGLE RACE GROUPS¹, CALIFORNIA, 2002 (By Place of Residence)
(Rates are per 100,000 population in specified groups.)

CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL DEATHS		HISPANIC		RACE/ETHNIC GROUPS			
		DEATHS	RATES	DEATHS	RATES	NON-HISPANIC SINGLE RACE GROUPS			
						ASIAN	BLACK	WHITE/OTHER	DEATHS
ALL CAUSES	A00-Y89	116,768	649.3	17,361	295.3	8,024	9,568	80,703	
CERTAIN INFECTIOUS AND PARASITIC DISEASES	A00-B99	2,904	16.1	701	11.9	198	406	1,568	
Human Immunodeficiency Virus Disease	B20-B24	1,217	6.8	316	5.4	30	264	597	
MALIGNANT NEOPLASMS	C00-C97	27,459	152.7	3,237	55.1	2,115	2,071	19,838	
Of Digestive Organs	C15-C26	7,331	40.8	1,050	17.9	864	552	4,810	
Esophagus	C15	908	5.0	98	1.7	44	49	711	
Stomach	C16	913	5.1	202	3.4	151	84	471	
Colon	C18	2,111	11.7	261	4.4	186	180	1,470	
Liver	C22.0, C22.2-C22.9	996	5.5	212	3.6	257	79	437	
Pancreas	C25	1,508	8.4	157	2.7	124	106	1,113	
Of Respiratory Organs	C30-C39	7,763	43.2	632	10.7	575	631	5,867	
Lung	C33-C34	7,432	41.3	582	9.9	560	596	5,639	
Of Male Genital Organs	C60-C63	3,134	17.4	343	5.8	121	351	2,297	
Prostate	C61	3,049	17.0	317	5.4	118	343	2,250	
Of Urinary Organs	C64-C68	1,586	8.8	194	3.3	76	72	1,236	
Of Brain	C71	781	4.3	97	1.6	48	25	602	
Of Lymphatic and Hematopoietic Tissues	C81-C96	3,104	17.3	454	7.7	206	185	2,237	
Non-Hodgkin's Lymphoma	C82-C85	1,197	6.7	165	2.8	95	56	875	
Leukemia	C91-C95	1,215	6.8	182	3.1	81	68	870	
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	E00-E88	4,191	23.3	905	15.4	333	433	2,475	
Diabetes	E10-E14	3,307	18.4	786	13.4	279	352	1,853	
MENTAL AND BEHAVIORAL DISORDERS	F01-F99	2,006	11.2	332	5.6	88	164	1,401	
Organic Dementia	F01, F03	917	5.1	66	1.1	51	58	737	
DISEASES OF NERVOUS SYSTEM	G00-G98	3,679	20.5	347	5.9	143	167	3,004	
Parkinson's Disease	G20-G21	891	5.0	63	1.1	36	19	771	
Alzheimer's Disease	G30	1,680	9.3	108	1.8	44	63	1,460	
DISEASES OF THE CIRCULATORY SYSTEM	I00-I99	43,922	244.2	5,025	85.5	3,128	3,493	31,914	
Diseases of the Hear	I00-I09, I11, I13, I20-I51	33,955	188.8	3,820	65.0	2,240	2,688	24,931	
Hypertensive Hear	I11-I13	1,945	10.8	224	3.8	152	329	1,229	
Ischemic Heart	I20-I25	26,530	147.5	2,982	50.7	1,807	1,891	19,632	
Atherosclerotic Cardiovascula	I21-I22	8,143	45.3	956	16.3	680	526	5,903	
Acute Myocardial Infarction	I25.0	4,256	23.7	550	9.4	232	489	2,945	
Disease	I26-I51	5,335	29.7	599	10.2	268	461	3,962	
Other Heart Diseases	I42	1,831	10.2	242	4.1	104	220	1,244	
Cardiomyopathy	I50	1,439	8.0	136	2.3	73	104	1,114	
Heart Failure	I60-I69	911	5.1	114	1.9	79	119	591	
Cerebrovascular Disease	I70	7,043	39.2	907	15.4	679	546	4,852	
Atherosclerosis	I71	581	3.2	54	0.9	25	26	472	
Aortic Aneurysm				4.9	1.2	77	56	664	

TABLE 5-15A. MAJOR CAUSES OF MALE DEATHS AND DEATH RATES BY HISPANIC, AND SELECTED NON-HISPANIC SINGLE RACE GROUPS¹, CALIFORNIA, 2002 (By Place of Residence) - Cont.
(Rates are per 100,000 population in specified groups.)

CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL DEATHS		HISPANIC		RACE/ETHNIC GROUPS		
		DEATHS	RATES	DEATHS	RATES	ASIAN DEATHS	NON-HISPANIC BLACK DEATHS	WHITE/OTHER DEATHS
DISEASES OF RESPIRATORY SYSTEM	J00-J98 J10-J18 J40-J47 J43	11,041	61.4	1,031	17.5	801	636	8,488
Influenza and Pneumonia	3,697	20.6	439	335	222	2,682		
Chronic Lower Respiratory Disease	5,879	32.7	382	384	361	4,701		
# Emphysema	799	4.4	39	43	50	654		
DISEASES OF DIGESTIVE SYSTEM	K00-K92 K70, K73-K74	4,803	26.7	1,281	21.8	243	296	2,919
Chronic Liver/Cirrhosis	2,458	13.7	873	14.8	73	120	120	1,347
DISEASES OF GENITOURINARY SYSTEM	N00-N98 N00-N07, N17-N19 N25-N27	1,736	9.7	261	4.4	138	171	1,149
Nephritis	1,101	6.1	200	3.4	99	130	659	
CERTAIN PERINATAL CONDITIONS	P00-P96	801	4.5	350	6.0	54	127	243
CONGENITAL MALFORMATIONS	Q00-Q99	682	3.8	287	4.9	46	55	286
SYMPTOMS, SIGNS AND ABNORMAL FINDINGS	R00-R99 R95	652	3.6	144	2.4	35	89	343
Sudden Infant Death Syndrome	96	0.5	30	0.5	3	13	13	45
ACCIDENTS	V01-X59, Y85-Y86 See Footnote W00-W19 W65-W74 X40-X49	6,634 2,883 797 283 1,599	36.9 16.0 1.037 4.4 8.9	1,881 1,037 17.6 135 370	32.0 19.5 342 2.3 6.3	342 195 195 59 26	540 200 200 28 28	3,774 1,403 572 127 987
Motor Vehicle Accidents	#							
Accidental Falls								
Drownings								
Accidental Poisonings								
INTENTIONAL SELF-HARM (Suicide)	U03, X60-X84, Y87.0 X72-X74	2,500 1,312	13.9 7.3	382 156	6.5 2.7	158 52	116 58	1,805 1,031
Firearms								
ASSAULT (Homicide)	#	U01-U02, X85-Y09, Y87.1 U01-4, X93-X95	2,041 1,578	11.3 8.8	912 731	15.5 12.4	78 58	653 567
Firearms								
ALL OTHER CAUSES	RESIDUAL	1,717		285		124	151	1,139

Causes of death marked with a "#" are rankable as leading causes of death. See NCHS' Instructional Manual Part 9: ICD-10 Cause of Death Listings for Tabulating Mortality Statistics at www.cdc.gov/nchs/data/dvsi/m9_2002.pdf.

¹ Total deaths include the mutually exclusive groups: Hispanic, Asian, Black, White/Other (shown above), as well as American Indian, Pacific Islander, 2 or More Race Groups, and Unknown Race. These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Note: The ICD-10 Codes for Motor Vehicle Accidents are: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0-V89.2.

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance, 2002 Population: 1997-2040 Population Projections by Age, Sex and Race/Ethnic Detail, December 1998.

TABLE 5-15B. MAJOR CAUSES OF FEMALE DEATHS AND DEATH RATES BY HISPANIC, AND SELECTED NON-HISPANIC SINGLE RACE GROUPS¹, CALIFORNIA, 2002 (By Place of Residence)
 (Rates are per 100,000 population in specified groups.)

CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL DEATHS		HISPANIC		NON-HISPANIC SINGLE RACE GROUPS	
		DEATHS		DEATHS		ASIAN	
		RATES	RATES	RATES	RATES	BLACK	WHITE/OTHER
ALL CAUSES	A00-Y89	116,478	653.7	13,597	248.4	7,168	8,834
CERTAIN INFECTIOUS AND PARASITIC DISEASES	A00-B99	1,586	8.9	304	5.6	199	926
Human immunodeficiency Virus Disease	B20-B24	206	1.2	42	0.8	8	55
MALIGNANT NEOPLASMS	#						
Of Digestive Organs	C00-C97	26,467	148.5	3,145	57.5	1,959	19,260
Esophagus	C15-C26	6,208	34.8	907	16.6	638	4,139
Stomach	C15	282	1.6	23	0.4	20	211
Colon	C16	681	3.8	173	3.2	128	323
Liver	C18	2,206	12.4	213	3.9	170	1,631
Pancreas	C22.0, C22.2-C22.9	516	2.9	113	2.1	105	261
Of Respiratory Organs	C25	1,577	8.9	224	4.1	123	1,088
Lung	C30-C39	6,412	36.0	387	7.1	361	5,186
Of Breast	C33-C34	6,306	35.4	375	6.9	358	422
Of Female Genital Organs	C50	4,116	23.1	462	8.4	289	345
Of Urinary Organs	C51-C58	2,737	15.4	419	7.7	212	182
Of Brain	C64-C68	895	4.9	111	2.0	39	58
Of Lymphatic and Hematopoietic Tissues	C71	590	3.3	98	1.8	29	19
Non-Hodgkin's Lymphoma	C81-C96	2,500	14.0	377	6.9	181	184
Leukemia	C82-C85	1,014	5.7	144	2.6	83	735
C91-C95	901	5.1	140	2.6	52	62	641
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	#						
Diabetes	E00-E88	4,453	25.0	977	17.9	314	550
	E10-E14	3,476	19.5	848	15.5	280	460
MENTAL AND BEHAVIORAL DISORDERS	#						
Organic Dementia	F01-F99	2,419	13.6	165	3.0	77	126
F01, F03	1,925	10.8	108	2.0	67	81	1,661
DISEASES OF NERVOUS SYSTEM	G00-G98	5,486	30.8	410	7.5	184	287
Parkinson's Disease	G20-G21	685	3.8	51	0.9	47	17
Alzheimer's Disease	G30	3,725	20.9	211	3.9	87	172
DISEASES OF THE CIRCULATORY SYSTEM	#						
Diseases of the Heart	I00-I99	48,594	272.7	4,831	88.3	3,002	3,854
	I00-I09, I11, I13, I20-I51, I11, I13	34,432	193.2	3,404	62.2	1,933	2,746
Hyperensive heart	I20-I25	2,256	12.7	200	3.7	137	311
Ischemic heart	I21-I22	25,783	144.7	2,599	47.5	1,487	1,988
Acute myocardial infarction	I25.0	7,789	43.6	866	15.8	538	648
Atherosclerotic cardiovascular disease	I26-I51	3,903	21.9	376	6.9	168	380
Other heart diseases	I42	6,092	34.2	561	10.3	282	435
Cardiomyopathy	I50	1,157	6.5	139	2.5	74	145
Heart failure	I10, I12	2,120	11.9	185	3.4	87	789
Hypertension	I60-I69	1,419	8.0	170	3.1	119	112
Cerebrovascular Disease	I70	10,508	59.0	1,070	19.6	860	184
Atherosclerosis	I71	1,003	5.6	76	1.4	32	45
Aortic Aneurysm	#	513	2.9	31	0.6	32	42

TABLE 5-15B. MAJOR CAUSES OF FEMALE DEATHS AND DEATH RATES BY HISPANIC, AND SELECTED NON-HISPANIC SINGLE RACE GROUPS¹, CALIFORNIA, 2002 (By Place of Residence) - Cont.
 (Rates are per 100,000 population in specified groups.)

CAUSE OF DEATH	ICD CODES (Rev. 10)	TOTAL DEATHS		HISPANIC		RACE/ETHNIC GROUPS	
		DEATHS	RATES	DEATHS	RATES	ASIAN DEATHS	NON-HISPANIC BLACK DEATHS
DISEASES OF RESPIRATORY SYSTEM							
Influenza and Pneumonia	J00-J98	12,530	70.3	968	17.7	554	638
Chronic Lower Respiratory Disease	J10-J18	4,401	24.7	428	7.8	281	248
#	J40-J47	6,764	38.0	347	6.3	184	318
Emphysema	J43	734	4.1	23	0.4	14	31
DISEASES OF DIGESTIVE SYSTEM	K00-K92	4,242	23.8	653	11.9	187	277
Chronic Liver/Cirrhosis	K70,K73-K74	1,267	7.1	295	5.4	44	799
DISEASES OF GENITOURINARY SYSTEM	#						
Nephritis	N00-N98	2,257	12.7	327	6.0	166	209
	N00-N07, N17-N19	1,048	5.9	214	3.9	111	133
	N25-N27						573
CERTAIN PERINATAL CONDITIONS	#	P00-P96	599	3.4	294	5.4	38
CONGENITAL MALFORMATIONS	#	Q00-Q99	620	3.5	261	4.8	48
SYMPTOMS, SIGNS AND ABNORMAL FINDINGS		R00-R99	499	2.8	110	2.0	23
Sudden Infant Death Syndrome	R95	72	0.4	20	0.4	5	58
ACCIDENTS	#	V01-X59, Y85-Y86 See Footnote	3,248	18.2	606	11.1	213
Motor Vehicle Accidents		W00-W19	1,237	6.9	357	6.5	106
Accidental Falls		W65-W74	675	3.8	69	1.3	50
Drownings		X40-X49	83	0.5	19	0.3	12
Accidental Poisonings		777	4.4	90	1.6	18	98
INTENTIONAL SELF-HARM (Suicide)	#	U03, X60->X84, Y87.0 X72-X74	710	4.0	60	1.1	73
Firearms		172	1.0	10	0.2	8	8
ASSAULT (Homicide)	#	U01-U02, X85-Y09, Y87.1 U01.4, X93-X95	418	2.3	127	2.3	36
Firearms		216	1.2	61	1.1	17	155
ALL OTHER CAUSES		RESIDUAL	2,350	359	156	156	230
							1,585

Causes of death marked with a "#" are rankable as leading causes of death. See NCHS' Instructional Manual Part 9: ICD-10 Cause of Death Listings for Tabulating Mortality Statistics at www.cdc.gov/nchs/data/dvs/im9_2002.pdf.

¹ Total deaths include the mutually exclusive groups: Hispanic, Asian, Black, White/Other (shown above), as well as American Indian, Pacific Islander, 2 or More Race Groups, and Unknown Race. These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Note: The ICD-10 Codes for Motor Vehicle Accidents are: V02->V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83->V86, V87.0-V87.8, V88.0-V88.8, V89.0-V89.2.

Source: State of California, Department of Health Services, Death Records.

State of California, Department of Finance, 2002 Population: 1997-2040 Population Projections by Age, Sex and Race/Ethnic Detail, December 1998.

TABLE 5-16. NUMBER AND PERCENT OF DEATHS BY AGE, YEARS OF EDUCATION, AND SEX OF DECEASED, CALIFORNIA 2002
(By Place of Residence)

YEARS OF EDUCATION	TOTAL		UNDER 18		18-24		25-34		35-44		45-54		55-64		65 AND OVER		UNKNOWN
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER
TOTAL	233,246	100.0	4,834	100.0	2,809	100.0	4,302	100.0	9,209	100.0	17,344	100.0	24,135	100.0	170,543	100.0	70
NONE	6,439	2.8	3,524	73.6	40	1.4	56	1.3	101	1.1	211	1.3	313	1.3	2,194	1.3	-
1-11 YEARS	53,354	23.5	1,179	24.6	813	29.3	1,184	28.0	2,032	22.9	2,730	16.4	4,230	18.2	41,186	24.8	-
12 YEARS	87,531	38.6	86	1.8	1,279	46.1	1,720	40.7	3,714	41.8	6,400	38.4	8,805	37.8	65,524	39.4	3
13-15 YEARS	40,861	18.0	2	a	555	20.0	736	17.4	1,818	20.4	4,138	24.9	5,049	21.7	28,563	17.2	-
16 OR MORE YEARS	38,739	17.1	-	-	88	3.2	531	12.6	1,225	13.8	3,171	19.0	4,871	20.9	28,853	17.3	-
UNKNOWN	6,322	40	-	-	34	75	75	319	694	867	4,223	67	4,223	67	-	-	-
MALE	116,768	100.0	2,835	100.0	2,181	100.0	3,083	100.0	6,006	100.0	10,793	100.0	14,349	100.0	77,468	100.0	53
NONE	3,193	2.8	1,992	70.9	24	1.1	36	1.2	63	1.1	121	1.2	163	1.2	794	1.1	-
1-11 YEARS	25,890	22.9	759	27.0	683	32.1	909	30.1	1,427	24.8	1,709	16.6	2,405	17.6	17,988	23.9	-
12 YEARS	40,063	35.5	58	2.1	1,004	46.5	1,248	41.3	2,480	43.1	4,060	39.5	4,980	36.5	26,233	34.8	-
13-15 YEARS	20,485	18.1	2	0.1	382	17.7	501	16.6	1,050	18.3	2,442	23.8	2,961	21.7	13,147	17.5	-
16 OR MORE YEARS	23,340	20.7	-	-	55	2.5	329	10.9	730	12.7	1,937	18.9	3,148	23.1	17,141	22.8	-
UNKNOWN	3,797	24	-	-	23	60	60	256	524	692	524	692	524	692	2,165	53	-
FEMALE	116,478	100.0	1,999	100.0	628	100.0	1,219	100.0	3,203	100.0	6,551	100.0	9,786	100.0	93,075	100.0	17
NONE	3,246	2.8	1,532	77.4	16	2.6	20	1.7	38	1.2	90	1.4	150	1.6	1,400	1.5	-
1-11 YEARS	27,464	24.1	420	21.2	120	19.4	275	22.8	605	19.3	1,021	16.0	1,825	19.0	23,198	25.5	-
12 YEARS	47,468	41.7	28	1.4	275	44.6	472	39.2	1,234	39.3	2,340	36.7	3,825	39.8	39,291	43.2	3
13-15 YEARS	20,376	17.9	-	-	173	28.0	235	19.5	768	24.5	1,696	26.6	2,088	21.7	15,416	16.9	-
16 OR MORE YEARS	15,399	13.5	-	-	33	5.3	202	16.8	495	15.8	1,234	19.3	1,723	17.9	11,712	12.9	-
UNKNOWN	2,525	19	-	-	11	11	15	63	170	175	170	175	170	175	2,058	14	-

a Less than 0.05.

- Represents zero events.

Note: Unknown years of education were subtracted from totals prior to calculation of percentages.

Percents are rounded independently and may not add to totals.

Source: State of California, Department of Health Services, Death Records.

TABLE 5-17. DEATHS BY YEAR OF DEATH, CALIFORNIA COUNTIES, 1992-2002 (By Place of Residence)

COUNTY	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
CALIFORNIA	214,586	220,271	222,854	222,626	222,308	223,438	225,450	227,965	228,281	232,790	233,246
ALAMEDA	9,552	9,871	9,776	9,924	9,670	9,574	9,801	9,863	9,841	9,727	9,564
ALPINE	1	3	3	1	8	9	8	7	6	4	7
AMADOR	333	327	302	358	362	358	333	359	374	397	371
BUTTE	2,025	1,974	1,971	2,128	2,109	2,192	2,133	2,124	2,134	2,240	2,253
CALAVERAS	361	338	353	379	358	384	382	418	382	370	419
COLUSA	137	153	148	150	156	132	146	148	144	143	137
CONTRA COSTA	5,572	5,973	5,971	6,320	6,366	6,350	6,659	6,569	6,648	6,858	7,025
DEL NORTE	222	240	239	238	220	267	272	224	269	264	259
EL DORADO	827	856	1,004	1,026	1,024	1,053	1,078	1,149	1,101	1,161	1,191
FRESNO	5,061	5,169	5,390	5,241	5,256	5,119	5,422	5,460	5,360	5,582	5,785
GLENN	251	247	209	253	239	205	220	241	258	224	229
HUMBOLDT	1,121	1,118	1,191	1,087	1,101	1,139	1,177	1,159	1,202	1,294	1,214
IMPERIAL	793	800	808	798	805	875	853	856	840	826	916
INYO	177	185	194	203	257	213	208	198	189	212	219
KERN	4,068	4,304	4,156	4,453	4,421	4,412	4,627	4,656	4,617	4,868	5,104
KINGS	609	652	670	687	702	705	746	700	710	703	729
LAKE	731	776	813	804	730	757	800	611	825	814	708
LASSEN	169	161	162	167	185	195	213	199	188	204	222
LOS ANGELES	61,708	62,250	62,442	60,953	59,686	60,070	58,923	59,614	59,032	59,774	59,586
MADERA	726	718	824	816	806	745	815	868	881	937	877
MARIN	1,686	1,848	1,872	1,855	1,822	1,875	1,854	1,794	1,833	1,879	1,840
MARIPOSA	139	135	158	177	158	162	176	183	152	151	173
MENDOCINO	730	785	843	762	840	796	809	769	816	855	819
MERCED	1,099	1,196	1,228	1,238	1,292	1,345	1,355	1,383	1,318	1,395	1,442
MODOC	89	95	104	97	113	117	120	101	92	101	97
MONO	29	26	30	25	42	51	38	32	48	48	51
MONTEREY	2,146	2,305	2,226	2,278	2,361	2,159	2,290	2,374	2,344	2,470	2,383
NAPA	1,164	1,180	1,252	1,238	1,254	1,301	1,279	1,218	1,295	1,272	1,262
NEVADA	721	755	745	780	773	823	855	869	858	932	961
ORANGE	14,752	15,142	15,287	15,250	15,771	16,093	16,133	16,644	16,520	16,729	16,789
PLACER	1,333	1,421	1,501	1,491	1,635	1,639	1,652	1,778	1,919	1,982	2,117
PLUMAS	164	185	185	191	228	204	208	220	205	204	201
RIVERSIDE	9,967	10,398	10,864	11,002	11,050	11,236	11,766	12,019	12,061	12,739	12,830
SACRAMENTO	7,598	8,021	8,265	8,467	8,492	8,628	8,780	9,004	8,991	9,373	9,578
SAN BENITO	250	244	239	241	248	253	273	269	284	272	252
SAN BERNARDINO	9,880	10,180	10,307	10,448	10,297	10,613	10,638	10,909	11,121	11,384	11,602
SAN DIEGO	17,558	17,914	18,390	18,131	18,391	18,626	18,767	19,168	19,621	19,871	19,356
SAN FRANCISCO	8,143	8,017	7,918	7,840	7,446	6,789	6,649	6,645	6,468	6,489	6,281
SAN JOAQUIN	3,814	3,926	3,977	3,914	4,024	4,045	4,178	4,348	4,209	4,465	4,588
SAN LUIS OBISPO	1,739	1,796	1,851	1,896	1,898	1,913	1,992	2,024	1,976	2,015	2,037
SAN MATEO	4,830	4,937	4,855	5,011	4,918	4,874	4,988	4,926	4,706	4,768	4,674
SANTA BARBARA	2,651	2,811	2,937	2,828	2,785	2,754	2,872	2,951	2,917	2,907	2,927
SANTA CLARA	8,200	8,626	8,666	8,578	8,850	8,802	8,977	9,033	8,802	8,765	8,642
SANTA CRUZ	1,627	1,717	1,709	1,725	1,703	1,640	1,670	1,632	1,689	1,696	1,614
SHASTA	1,450	1,550	1,545	1,540	1,634	1,657	1,713	1,686	1,644	1,778	1,924
SIERRA	27	36	28	28	23	37	35	39	29	40	40
SISKIYOU	474	467	477	518	531	488	451	465	480	517	492
SOLANO	2,151	2,171	2,170	2,330	2,394	2,290	2,373	2,358	2,564	2,493	2,633
SONOMA	3,371	3,523	3,483	3,456	3,634	3,767	3,690	3,735	3,835	3,872	3,864
STANISLAUS	2,919	2,900	3,103	3,171	3,158	3,254	3,386	3,354	3,401	3,577	3,727
SUTTER	556	562	588	618	597	622	620	644	710	676	709
TEHAMA	557	572	557	626	578	547	584	618	617	633	598
TRINITY	150	151	140	130	153	156	157	137	140	142	143
TULARE	2,469	2,415	2,543	2,640	2,529	2,633	2,555	2,545	2,639	2,690	2,699
TUOLUMNE	422	467	518	497	517	492	583	528	585	598	609
VENTURA	3,877	4,117	4,161	4,100	4,240	4,503	4,596	4,556	4,778	4,729	4,818
YOLO	936	1,036	993	1,010	1,051	1,005	1,043	1,033	1,063	1,183	1,130
YUBA	474	529	513	513	417	495	529	551	550	498	529

Source: State of California, Department of Health Services, Death Records.

TABLE 5-18. DEATHS BY AGE, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2002 (By Place of Residence)

COUNTY	TOTAL	AGE GROUPS										
		Under 5	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	UNKNOWN
CALIFORNIA	233,246	3,401	790	3,452	4,302	9,209	17,344	24,135	38,849	67,472	64,222	70
ALAMEDA	9,564	104	27	131	192	393	825	1,059	1,510	2,708	2,612	3
Berkeley ¹	648	4	-	3	6	14	61	77	71	176	236	-
ALPINE	7	-	-	-	-	-	1	-	1	2	3	-
AMADOR	371	1	1	5	3	12	20	44	65	119	101	-
BUTTE	2,253	21	4	26	19	61	173	200	369	730	650	-
CALAVERAS	419	2	1	2	1	12	35	60	81	129	96	-
COLUSA	137	2	1	3	4	3	3	19	24	34	44	-
CONTRA COSTA	7,025	66	27	88	110	223	515	777	1,087	2,028	2,104	-
DEL NORTE	259	2	-	6	8	6	24	32	53	69	59	-
EL DORADO	1,191	14	2	13	16	47	90	120	212	378	299	-
FRESNO	5,785	121	33	104	124	239	452	619	962	1,600	1,531	-
GLENN	229	3	-	5	7	8	23	22	41	59	61	-
HUMBOLDT	1,214	10	6	21	23	39	111	134	203	337	330	-
IMPERIAL	916	16	5	17	22	44	75	97	169	279	179	13
INYO	219	-	-	-	3	7	19	23	28	67	72	-
KERN	5,104	96	30	91	110	264	402	595	937	1,423	1,155	1
KINGS	729	16	5	19	24	35	61	82	124	180	183	-
LAKE	708	5	1	6	7	23	63	87	136	208	172	-
LASSEN	222	5	-	4	6	11	21	27	45	50	53	-
LOS ANGELES	59,586	984	203	1,119	1,330	2,571	4,658	6,351	9,820	16,516	16,023	11
Long Beach ¹	3,211	41	17	60	65	143	274	382	489	887	853	-
Pasadena ¹	1,120	9	-	8	11	29	65	93	173	321	410	1
MADERA	877	15	4	19	19	33	80	82	154	244	227	-
MARIN	1,840	13	4	10	20	54	112	185	265	558	619	-
MARIPOSA	173	1	-	2	5	6	9	24	32	47	47	-
MENDOCINO	819	10	4	13	12	27	66	100	142	208	237	-
MERCED	1,442	33	8	36	30	53	106	168	249	422	337	-
MODOC	97	-	-	-	1	2	7	13	10	37	27	-
MONO	51	1	-	2	2	4	1	13	12	9	7	-
MONTEREY	2,383	50	10	43	44	95	176	215	378	651	721	-
NAPA	1,262	6	1	8	13	30	64	93	168	444	435	-
NEVADA	961	2	2	4	24	25	63	84	150	292	314	1
ORANGE	16,789	253	51	167	256	591	954	1,625	2,710	5,066	5,115	1
PLACER	2,117	20	5	31	31	46	134	181	328	688	653	-
PLUMAS	201	2	-	3	1	5	15	23	39	66	46	1
RIVERSIDE	12,830	205	45	159	216	493	843	1,270	2,365	3,932	3,290	12
SACRAMENTO	9,578	135	37	150	157	402	781	1,052	1,675	2,833	2,354	2
SAN BENITO	252	4	-	5	7	11	25	26	36	64	74	-
SAN BERNARDINO	11,602	271	59	197	254	534	988	1,424	2,154	3,185	2,534	2
SAN DIEGO	19,356	226	52	254	334	711	1,379	1,763	3,109	5,962	5,549	17
SAN FRANCISCO	6,281	46	13	35	116	299	520	619	933	1,678	2,022	-
SAN JOAQUIN	4,588	85	15	107	115	205	345	490	806	1,292	1,128	-
SAN LUIS OBISPO	2,037	7	2	14	18	66	149	156	323	655	647	-
SAN MATEO	4,674	49	10	35	46	132	269	418	765	1,398	1,552	-
SANTA BARBARA	2,927	30	6	24	37	76	168	249	459	907	970	1
SANTA CLARA	8,642	127	35	76	129	348	630	818	1,446	2,495	2,538	-
SANTA CRUZ	1,614	14	2	21	27	67	151	172	209	444	507	-
SHASTA	1,924	16	2	22	27	66	129	203	343	592	523	1
SIERRA	40	-	-	-	-	2	3	6	8	10	11	-
SISKIYOU	492	-	1	4	4	24	26	41	89	177	126	-
SOLANO	2,633	49	12	46	39	118	227	326	480	750	586	-
SONOMA	3,864	36	6	42	57	106	249	352	564	1,162	1,289	1
STANISLAUS	3,727	74	12	77	69	161	270	413	668	1,038	945	-
SUTTER	709	9	4	17	14	22	51	93	132	197	170	-
TEHAMA	598	5	1	4	5	13	27	67	114	192	170	-
TRINITY	143	-	-	1	1	4	17	19	39	36	25	1
TULARE	2,699	49	13	70	43	134	205	318	459	764	644	-
TUOLUMNE	609	1	2	8	4	21	48	67	111	188	159	-
VENTURA	4,818	65	12	60	88	179	330	440	773	1,407	1,462	2
YOLO	1,130	11	9	14	22	25	96	114	178	325	336	-
YUBA	529	13	5	12	6	21	60	65	107	141	99	-

- Represents zero events.

¹ City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Death Records.

TABLE 5-19. DEATHS BY SEX AND RACE/ETHNIC GROUPS*, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2002
(By Place of Residence)

COUNTY	TOTAL	SEX		RACE/ETHNIC GROUPS								
				HISPANIC	NON-HISPANIC							WHITE/OTHER RACES
		MALE	FEMALE		2 OR MORE RACE GROUPS	AMERICAN INDIAN	ASIAN	BLACK	PACIFIC ISLANDER			
CALIFORNIA	233,246	116,768	116,478	30,958	408	892	15,192	18,402	569	166,679	146	
ALAMEDA	9,564	4,673	4,891	749	45	20	1,079	2,118	53	5,497	3	
Berkeley ¹	648	295	353	20	1	1	57	216	-	353	-	
ALPINE	7	5	2	-	-	1	-	-	-	6	-	
AMADOR	371	197	174	6	-	3	2	1	-	359	-	
BUTTE	2,253	1,132	1,121	58	2	19	18	34	-	2,122	-	
CALAVERAS	419	233	186	14	-	3	-	1	-	401	-	
COLUSA	137	74	63	20	-	4	-	2	-	111	-	
CONTRA COSTA	7,025	3,346	3,679	449	18	3	440	796	13	5,305	1	
DEL NORTE	259	148	111	6	-	17	1	-	-	235	-	
EL DORADO	1,191	626	565	28	5	7	16	2	1	1,131	1	
FRESNO	5,785	2,950	2,835	1,254	10	23	332	372	5	3,788	1	
GLENN	229	116	113	15	2	-	3	2	-	207	-	
HUMBOLDT	1,214	612	602	19	1	49	6	6	-	1,133	-	
IMPERIAL	916	526	390	441	-	4	22	27	-	422	-	
INYO	219	103	116	8	-	14	-	1	1	195	-	
KERN	5,104	2,591	2,513	804	10	15	113	296	5	3,860	1	
KINGS	729	377	352	173	2	7	17	36	-	493	1	
LAKE	708	395	313	13	1	12	-	21	1	660	-	
LASSEN	222	107	115	5	-	2	-	2	-	213	-	
LOS ANGELES	59,586	29,968	29,618	11,969	61	144	5,107	8,460	137	33,654	54	
Long Beach ¹	3,211	1,608	1,603	328	4	7	225	433	41	2,169	4	
Pasadena ¹	1,120	524	596	128	1	3	57	187	-	739	5	
MADERA	877	450	427	162	2	11	12	36	-	654	-	
MARIN	1,840	864	976	57	4	3	35	42	2	1,696	1	
MARIPOSA	173	99	74	7	-	-	1	-	-	165	-	
MENDOCINO	819	416	403	26	2	35	2	5	-	749	-	
MERCED	1,442	763	679	261	3	2	61	73	1	1,041	-	
MODOC	97	54	43	1	-	3	-	-	-	93	-	
MONO	51	36	15	2	-	1	-	-	-	48	-	
MONTEREY	2,383	1,187	1,196	395	4	5	162	95	11	1,709	2	
NAPA	1,262	633	629	62	-	3	13	14	2	1,168	-	
NEVADA	961	479	482	10	1	5	8	3	-	933	1	
ORANGE	16,789	7,982	8,807	1,756	27	27	1,276	189	30	13,466	18	
PLACER	2,117	1,067	1,050	79	-	10	45	17	1	1,965	-	
PLUMAS	201	107	94	4	-	-	-	-	-	197	-	
RIVERSIDE	12,830	6,663	6,167	1,664	17	51	233	644	23	10,187	11	
SACRAMENTO	9,578	4,764	4,814	663	18	41	644	886	28	7,293	5	
SAN BENITO	252	129	123	61	-	1	8	3	-	179	-	
SAN BERNARDINO	11,602	6,004	5,598	2,051	18	57	266	958	33	8,214	5	
SAN DIEGO	19,356	9,640	9,716	2,067	45	84	890	895	73	15,284	18	
SAN FRANCISCO	6,281	3,261	3,020	508	16	12	1,512	840	13	3,375	5	
SAN JOAQUIN	4,588	2,390	2,198	625	10	17	355	324	10	3,245	2	
SAN LUIS OBISPO	2,037	1,017	1,020	90	3	4	14	15	1	1,910	-	
SAN MATEO	4,674	2,256	2,418	369	13	7	491	206	53	3,534	1	
SANTA BARBARA	2,927	1,410	1,517	368	2	8	63	51	2	2,433	-	
SANTA CLARA	8,642	4,205	4,437	1,063	20	23	1,208	203	29	6,092	4	
SANTA CRUZ	1,614	790	824	131	3	7	47	13	-	1,412	1	
SHASTA	1,924	932	992	44	6	18	18	8	1	1,828	1	
SIERRA	40	24	16	-	-	1	-	-	-	39	-	
SISKIYOU	492	253	239	8	-	10	1	6	-	467	-	
SOLANO	2,633	1,351	1,282	177	12	7	224	385	20	1,808	-	
SONOMA	3,864	1,872	1,992	179	7	22	60	35	3	3,555	3	
STANISLAUS	3,727	1,819	1,908	467	9	17	84	75	6	3,069	-	
SUTTER	709	354	355	48	-	2	52	12	3	592	-	
TEHAMA	598	307	291	15	1	2	2	1	1	576	-	
TRINITY	143	75	68	3	-	3	-	-	-	137	-	
TULARE	2,699	1,428	1,271	628	-	17	57	52	-	1,944	1	
TUOLUMNE	609	311	298	19	-	4	1	-	-	585	-	
VENTURA	4,818	2,350	2,468	706	4	9	135	95	6	3,859	4	
YOLO	1,130	545	585	124	1	7	44	24	-	930	-	
YUBA	529	302	227	27	3	9	12	20	1	456	1	

¹ City Health Department numbers are included in their respective county totals.

- Represents zero events.

* The race/ethnic groups in this table provide a mutually exclusive list with Hispanic, 2 or more race groups, and single races.

American Indian includes Eskimo and Aleut, Pacific Islander includes Hawaiian.

These groups are not comparable with race groups used in Vital Statistics of California reports prior to 2000. See Chapter 6.

Source: State of California, Department of Health Services, Death Records.

TABLE 5-20. DEATHS BY RACE¹, CALIFORNIA COUNTIES AND SELECTED CITY/HEALTH DEPARTMENTS, 2002 (By Place of Residence)

COUNTY	TOTAL DEATHS	2 OR MORE RACES GROUPS	AMERICAN INDIAN	BLACK	CAMBODIAN	CHINESE	ESKIMO/ALEUT	FILIPINO	GUAMIANIAN	HAWAIIAN	HMONG
CALIFORNIA	233,246	526	975	18,505	283	4,382	4	4,232	88	98	176
ALAMEDA	9,564	56	22	2,120	18	448	-	302	4	8	-
Berkeley ²	648	1	1	217	-	25	-	9	-	-	-
ALPINE	7	-	1	-	-	-	-	-	-	-	-
AMADOR	371	-	3	1	-	-	-	-	-	-	8
BUTTE	2,253	3	19	34	-	-	-	5	-	-	-
CALAVERAS	419	-	4	1	-	-	-	1	-	-	-
COLUSA	137	-	4	2	-	-	-	-	-	-	-
CONTRA COSTA	7,025	21	4	798	-	-	-	166	1	3	-
DEL NORTE	259	-	17	-	-	-	-	-	-	-	-
EL DORADO	1,191	6	9	2	-	-	-	-	8	-	-
FRESNO	5,785	13	24	374	24	-	-	-	30	3	-
GLENN	229	2	-	2	-	-	-	-	-	-	-
HUMBOLDT	1,214	1	49	6	-	-	-	10	10	-	-
IMPERIAL	916	2	4	27	-	-	-	-	-	-	-
INYO	219	1	16	1	-	-	-	-	-	1	-
KERN	5,104	12	20	301	1	9	-	-	-	1	-
KINGS	729	2	8	36	-	4	-	-	-	-	-
LAKE	708	1	12	21	-	-	-	-	-	1	-
LASSEN	222	-	2	2	-	-	-	-	-	-	-
LOS ANGELES	59,586	79	160	8,500	104	-	-	-	8	16	-
Long Beach ²	3,211	8	8	435	66	13	4	4	1	-	-
Pasadena ²	1,120	1	3	189	-	16	15	-	-	-	-
MADERA	877	4	12	36	-	1	2	-	-	1	-
MARIN	1,840	4	3	42	2	-	-	-	2	-	-
MARIPOSA	173	-	-	-	-	-	-	-	-	-	-
MENDOCINO	819	2	35	6	-	-	-	-	-	-	-
MERCED	1,442	3	2	75	-	-	-	-	-	-	-
MODOC	97	-	3	-	-	-	-	-	-	-	-
MONTEREY	51	-	2	-	-	-	-	-	-	-	-
NAPA	2,383	4	6	95	-	-	-	-	-	-	-
NEVADA	961	1	3	14	-	-	-	-	-	-	-
ORANGE	16,789	30	31	194	18	-	-	-	-	-	-
PLACER	2,117	2	10	17	-	-	-	6	202	1	-
PLUMAS	201	-	-	-	-	-	-	-	-	-	-
RIVERSIDE	12,830	23	58	648	4	23	-	-	-	-	-
SACRAMENTO	9,578	22	51	892	6	166	-	-	-	-	-
SAN BENITO	252	-	2	3	-	-	-	-	-	-	-
SAN BERNARDINO	11,602	26	62	970	11	33	-	-	-	-	-
SAN DIEGO	19,356	61	88	902	16	102	-	-	-	5	3
SAN FRANCISCO	6,281	25	13	848	2	1,063	-	-	-	26	13
SAN JOAQUIN	4,588	11	18	327	43	40	-	-	-	1	2
SAN LUIS OBISPO	2,037	4	3	15	-	3	-	-	-	1	-
SAN MATEO	4,674	18	7	207	-	134	-	-	-	2	3
SANTA BARBARA	2,927	2	9	51	-	4	-	-	-	1	-
SANTA CLARA	8,642	26	26	204	13	343	-	-	-	10	3
SANTA CRUZ	1,614	5	7	13	-	10	-	-	-	-	-
SHASTA	1,924	9	19	9	1	1	-	-	-	1	-
SIERRA	40	-	1	-	-	-	-	-	-	-	-
SISKIYOU	492	-	10	6	-	-	-	-	-	-	-
SOLANO	2,633	15	8	385	1	16	-	-	-	10	3
SONOMA	3,864	7	26	35	4	13	-	-	-	2	1
STANISLAUS	3,727	11	18	76	15	9	-	-	-	15	1
SUTTER	709	-	2	12	-	2	-	-	-	3	-
TEHAMA	598	1	2	1	-	1	-	-	-	-	-
TRINITY	143	-	3	-	-	-	-	-	-	-	-
TULARE	2,699	1	21	52	-	4	-	-	-	31	1
TUOLUMNE	609	-	3	-	-	1	-	-	-	55	1
VENTURA	4,818	4	10	95	1	15	-	-	-	2	-
YOLO	1,130	2	8	24	5	-	-	-	-	11	-
YUBA	529	3	9	20	-	2	-	-	-	2	5

TABLE 5-20 DEATHS BY RACE¹, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2002 (By Place of Residence) - Cont

COUNTY	INDIAN (INDIA)	JAPANESE	KOREAN	LAOTIAN	SAMOAN	THAI	VIETNAMESE	WHITE/ OTHER RACES	OTHER ASIAN	OTHER PACIFIC ISLANDER	UNKNOWN
CALIFORNIA	826	2,120	1,306	246	186	107	1,248	197,245	334	207	152
ALAMEDA	90	89	46	11	8	3	57	6,226	20	33	3
Berkeley ²	-	21	1	1	-	-	-	372	-	-	-
ALPINE	-	-	-	-	-	-	-	6	-	-	-
AMADOR	-	-	3	1	1	-	-	365	1	-	-
BUTTE	-	-	-	-	-	-	-	2,179	-	-	-
CALAVERAS	-	-	-	-	-	-	-	414	-	-	-
COLUSA	-	-	-	-	-	-	-	131	-	-	-
CONTRA COSTA	29	73	11	10	1	2	14	5,746	-	-	-
DEL NORTE	-	-	-	1	-	-	-	241	-	-	-
EL DORADO	-	4	1	-	-	-	-	1,156	-	-	-
FRESNO	37	71	5	38	1	2	7	5,034	4	2	-
GLENN	-	-	-	3	1	-	-	222	-	-	-
HUMBOLDT	1	2	1	1	-	-	-	1,152	-	-	-
IMPERIAL	2	3	1	1	-	-	-	861	-	-	-
INYO	-	-	-	-	-	-	-	200	-	-	-
KERN	15	7	4	1	-	-	-	4,652	1	1	1
KINGS	3	1	-	-	-	-	-	685	-	-	-
LAKE	-	-	-	-	-	-	-	673	-	-	-
LASSEN	-	-	-	-	-	-	-	218	-	-	-
LOS ANGELES	157	820	6	78	61	228	61	45,530	96	37	57
Long Beach ²	2	22	9	31	3	15	3	2,486	5	5	4
Pasadena ²	1	14	4	-	2	3	3	865	2	-	5
MADERA	6	1	1	-	-	-	-	813	-	-	-
MARIN	3	8	1	-	-	-	-	1,753	4	-	-
MARIPOSA	-	-	-	-	-	-	-	172	-	-	-
MENDOCINO	-	-	-	-	-	-	-	774	-	-	-
MERCED	8	3	1	33	-	2	2	1,300	1	-	-
MODOC	-	-	-	-	-	-	-	94	-	-	-
MONO	-	-	-	-	-	-	-	49	-	-	-
MONTEREY	2	12	-	-	-	-	-	2,100	4	3	2
NAPA	1	1	-	-	-	-	-	1,230	-	2	-
NEVADA	-	3	-	-	-	-	-	942	-	-	1
ORANGE	63	146	19	174	14	12	11	447	2,041	2	18
PLACER	4	3	-	-	-	-	-	201	-	-	-
PLUMAS	-	-	-	-	-	-	-	11,830	10	4	11
RIVERSIDE	11	32	19	8	7	1	1	942	15	16	5
SACRAMENTO	63	115	19	31	5	5	-	7,930	15	-	-
SAN BENITO	-	3	1	-	-	-	-	239	-	-	-
SAN BERNARDINO	21	36	24	-	15	2	2	10,236	21	11	6
SAN DIEGO	23	118	30	29	25	2	2	17,314	8	10	19
SAN FRANCISCO	12	77	36	4	10	4	27	3,850	14	2	6
SAN JOAQUIN	20	53	4	23	2	-	-	3,862	7	6	2
SAN LUIS OBISPO	-	5	-	-	-	-	-	1,998	1	-	-
SAN MATEO	27	54	13	-	-	-	-	3,880	7	42	1
SANTA BARBARA	4	17	7	-	7	2	2	2,800	2	-	-
SANTA CLARA	106	161	53	3	1	1	2	7,139	41	8	4
SANTA CRUZ	3	9	-	-	-	-	-	1,540	6	-	1
SHASTA	1	3	-	8	-	-	-	1,867	4	-	1
SIERRA	-	-	-	-	-	-	-	39	-	-	-
SISKIYOU	-	-	1	-	-	-	-	475	-	-	-
SOLANO	13	21	1	1	1	-	-	1,980	1	-	-
SONOMA	8	14	14	1	4	2	2	3,729	6	4	3
STANISLAUS	25	3	3	1	1	1	1	3,530	2	4	-
SUTTER	41	3	3	1	1	-	-	639	2	1	-
TEHAMA	1	-	-	-	-	-	-	591	-	-	-
TRINITY	-	-	-	-	-	-	-	140	-	-	-
TULARE	6	7	-	-	3	-	-	2,567	4	-	1
TUOLUMNE	-	-	30	9	1	2	-	604	7	1	4
VENTURA	12	11	1	-	1	1	-	1,052	5	-	1
YOLO	7	-	-	-	-	-	-	483	-	1	-
YUBA	1	-	-	-	-	-	-	-	-	-	-

- Represents zero events.

¹ The list of races on this table is compiled by identifying decedents who were reported as being of 2 or more race groups before tabulating single races.² City Health Department numbers are included in their respective county totals.

Source: State of California, Department of Health Services, Death Records.

TABLE 5-21. TEN LEADING CAUSES OF DEATH, CALIFORNIA COUNTIES AND SELECTED CITY HEALTH DEPARTMENTS, 2002
(By Place of Residence)

COUNTY	TOTAL ALL CAUSES A00-Y89	TEN LEADING CAUSES OF DEATH FOR CALIFORNIA										ALL OTHER CAUSES (Residual)
		Diseases of the Heart I00-I09, I11, I13, I20-I51	Malignant Neoplasms C00-C97	Cerebro- vascular Disease I60-I69	Chronic Lower Respiratory Disease J40-J47	Accidents V01-V59, Y85-Y86	Influenza/ Pneumonia J10-J18	Diabetes E10-E14	Alzheimer's Disease G30	Cirrhosis K70, K73-K74	Intentional Self-Harm U03, X60-X84, Y87.0	
CALIFORNIA	233,246	68,387	53,926	17,551	12,643	9,882	8,098	6,783	5,405	3,725	3,210	43,636
ALAMEDA	9,564	2,597	2,243	757	421	354	293	276	208	135	135	2,145
Berkeley ¹	648	189	146	53	29	23	13	23	25	7	10	130
ALPINE	7	4	1	-	-	-	-	-	-	-	-	2
AMADOR	371	103	105	23	17	17	11	7	8	5	5	70
BUTTE	2,253	658	497	177	140	123	68	54	49	47	31	409
CALAVERAS	419	126	105	33	24	21	16	8	9	6	3	68
COLUSA	137	38	30	4	9	7	7	3	1	2	3	33
CONTRA COSTA	7,025	1,895	1,761	576	395	255	226	177	166	95	100	1,379
DEL NORTE	259	67	65	13	21	23	8	1	2	4	8	47
EL DORADO	1,191	329	323	72	84	47	35	19	32	17	22	211
FRESNO	5,785	1,665	1,183	437	317	348	185	188	87	108	50	1,217
GLENN	229	68	51	9	22	12	1	4	5	2	10	45
HUMBOLDT	1,214	284	288	89	79	83	33	32	42	24	26	234
IMPERIAL	916	252	206	73	49	68	13	31	12	23	8	181
INYO	219	67	46	19	12	16	1	2	1	6	7	42
KERN	5,104	1,614	1,041	330	307	287	179	166	88	107	74	911
KINGS	729	195	146	34	50	45	7	56	15	18	13	150
LAKE	708	187	173	37	51	42	30	13	10	14	18	133
LASSEN	222	64	50	10	8	20	3	7	5	2	8	45
LOS ANGELES	59,586	18,991	13,431	4,169	2,770	2,194	2,494	2,122	973	1,085	727	10,630
Long Beach ¹	3,211	1,124	657	221	200	101	104	89	38	52	56	569
Pasadena ¹	1,120	349	256	116	49	29	56	30	34	21	11	169
MADERA	877	274	181	59	42	47	13	35	28	20	11	167
MARIN	1,840	461	488	165	92	67	78	35	39	31	35	349
MARIPOSA	173	54	44	9	12	13	2	2	-	3	2	32
MENDOCINO	819	209	189	65	64	61	23	14	8	11	14	161
MERCED	1,442	404	294	105	97	90	28	59	23	30	20	292
MODOC	97	33	13	7	8	10	3	2	2	1	-	18
MONO	51	14	15	4	1	6	1	1	-	2	1	6
MONTEREY	2,383	651	523	198	120	126	57	76	42	29	29	532
NAPA	1,262	353	290	130	69	39	57	31	63	26	8	196
NEVADA	961	254	241	88	66	58	26	17	23	14	17	157
ORANGE	16,789	5,084	4,056	1,373	869	622	583	457	431	230	241	2,843
PLACER	2,117	594	551	186	116	80	60	46	71	29	39	345
PLUMAS	201	41	64	11	16	11	6	4	3	-	6	39
RIVERSIDE	12,830	4,120	2,935	916	920	576	328	275	329	159	151	2,121
SACRAMENTO	9,578	2,677	2,230	837	544	406	341	239	215	138	153	1,798
SAN BENITO	252	62	55	23	14	16	9	3	2	3	3	62
SAN BERNARDINO	11,602	3,470	2,503	699	767	469	328	366	212	236	160	2,392
SAN DIEGO	19,356	5,314	4,584	1,459	1,006	790	585	475	909	296	308	3,630
SAN FRANCISCO	6,281	1,742	1,418	566	285	227	301	126	135	74	81	1,326
SAN JOAQUIN	4,588	1,319	1,045	383	282	254	103	163	95	70	61	813
SAN LUIS OBISPO	2,037	541	496	169	148	94	42	42	72	28	36	369
SAN MATEO	4,674	1,227	1,227	428	256	155	232	100	151	66	41	791
SANTA BARBARA	2,927	840	672	243	156	118	97	87	91	30	44	549
SANTA CLARA	8,642	2,392	2,131	700	428	306	345	226	196	130	131	1,657
SANTA CRUZ	1,614	472	381	103	92	61	42	37	29	27	31	339
SHASTA	1,924	505	447	137	127	103	53	44	42	27	38	401
SIERRA	40	5	11	2	1	2	1	2	1	2	-	13
SISKIYOU	492	137	102	37	27	20	17	13	10	8	9	112
SOLANO	2,633	672	640	238	138	101	100	79	70	48	39	508
SONOMA	3,864	1,038	929	324	213	168	127	89	120	42	58	756
STANISLAUS	3,727	1,208	787	236	212	238	147	117	77	55	44	606
SUTTER	709	201	171	44	52	42	24	17	7	9	11	131
TEHAMA	598	163	148	45	38	33	23	13	11	9	9	106
TRINITY	143	35	31	9	10	11	1	3	4	5	1	33
TULARE	2,699	746	542	202	153	184	74	96	20	46	30	606
TUOLUMNE	609	168	167	42	37	30	10	13	14	8	11	109
VENTURA	4,818	1,301	1,206	323	263	194	145	168	99	57	65	997
YOLO	1,130	257	241	91	77	57	61	32	44	17	16	237
YUBA	529	145	133	33	49	35	15	13	4	9	8	85

- Represents zero events.

¹ City Health Department numbers are included in their respective county totals.

Note: Causes of death are coded to the Tenth Revision of the International Classification of Diseases.

Source: State of California, Department of Health Services, Death Records.

Table 5-22. Detailed Causes of Death, California Counties, 2002 (By Place of Residence)

ICD-10 CODES	CAUSES OF DEATH	CALIFORNIA	Number	Rate	Alameda	Alpine	Amador	Butte	Calaveras	Contra Costa	Del Norte	El Dorado	Fresno	Glenn
A00-Y89	Total - All Causes	233,246	651.5	9,564	7	371	2,233	419	137	7,025	259	1,191	5,785	229
A00-B99	Certain Infectious and Parasitic Diseases	4,490	12.5	213	-	3	37	10	2	145	2	21	119	4
A01-A09	Intestinal infectious diseases	181	0.5	4	-	1	-	5	-	1	1	1	3	-
A16-A19	Tuberculosis	135	0.4	6	-	1	-	1	-	1	1	1	3	-
A39	Meningococcal infection	24	0.1	-	-	-	-	-	-	-	1	1	2	-
A40-A41	Septicemia	916	2.6	57	-	1	19	4	-	62	2	8	21	-
B15-B19	Viral hepatitis	833	2.3	36	-	1	7	1	-	19	-	4	25	1
B20-B24	Human immunodeficiency virus [HIV] disease	1,423	4.0	68	-	3	3	1	32	-	2	25	-	-
Remainder of A00-B99	Other and unspecified infectious diseases and sequelae	978	a	42	-	1	6	2	1	25	-	4	40	3
C00-C97	Malignant Neoplasms [Cancer]	53,926	150.6	2,243	1	105	497	105	30	1,761	65	323	1,183	51
C00-C14	Cancers of lip, oral cavity, and pharynx	888	2.5	39	-	1	7	1	21	-	6	29	-	-
C15	Cancer of esophagus	1,190	3.3	62	-	3	14	3	-	41	3	13	21	1
C16	Cancer of stomach	1,594	4.5	60	-	-	7	1	51	1	8	34	1	-
C18-C21	Cancer of colon, rectum and anus	5,234	14.6	236	-	7	46	8	7	171	5	26	107	3
C18	Cancer of colon	4,317	12.1	199	-	6	40	6	5	132	5	21	83	2
C22	Cancer of liver and intrahepatic bile ducts	1,870	5.2	74	-	4	12	1	-	45	2	9	44	2
C25	Cancer of pancreas	3,085	8.6	121	-	4	40	5	2	92	4	20	75	2
C32	Cancer of larynx	312	0.9	10	-	1	1	-	1	7	-	1	4	1
C33-C34	Cancer of trachea, bronchus, and lung	13,758	38.4	575	1	34	157	36	6	459	20	87	299	18
C43	Malignant melanoma of skin	775	2.2	20	1	8	2	-	-	23	2	6	14	1
C45	Mesothelioma	231	0.6	17	-	1	-	-	11	1	1	7	-	-
C50	Cancer of breast [total male and female]	4,154	23.3	b,c	187	4	31	6	1	167	1	22	80	5
C53	Cancer of cervix uteri	415	2.3	c	9	-	1	1	-	8	-	-	8	-
C54-C55	Cancer of corpus uteri and uterus, part unspecified	698	3.9	c	30	-	2	1	-	1	21	3	4	12
C56	Cancer of ovary	1,503	8.4	c	55	-	1	19	2	-	55	2	11	32
C61	Cancer of prostate	3,049	17.0	c	140	-	9	26	10	2	110	2	20	65
C64-C65	Cancer of kidney and renal pelvis	1,107	3.1	41	-	5	7	2	-	39	2	7	28	-
C67	Cancer of bladder	1,281	3.6	44	-	2	10	4	-	41	3	7	42	1
C70-C72	Cancer of meninges, brain, central nervous system	1,405	3.9	51	-	1	10	3	3	44	2	12	25	1
C81-C96	Cancer of lymphoid, hematopoietic, and related tissue	5,604	15.7	232	-	15	49	8	3	170	6	31	130	5
C82-C85	Hodgkin's disease	152	0.4	7	-	2	1	-	8	-	1	-	1	-
C88-C90	Non-Hodgkin's lymphoma	2,211	6.2	83	-	9	24	4	3	68	5	11	44	1
C91-C95	Multiple myeloma and immunoproliferative neoplasms	2,116	5.9	87	-	5	14	3	-	61	1	13	57	3
Remainder of C00-C97	Leukemia	1,119	3.1	55	-	1	9	-	33	-	6	28	1	-
D00-D48	All other and unspecified malignant neoplasms [cancers]	5,793	a	240	-	10	40	13	3	185	6	32	127	7
D00-D09, D10-D36 D37-D48	In Situ Neoplasms, Benign Neoplasms, Neoplasms of Uncertain or Unknown Behavior	1,251	3.5	58	-	3	12	1	-	37	1	8	23	3
D50-D89	In situ and benign neoplasms	215	0.6	12	-	2	-	5	-	5	-	3	4	-
D65-D89	Neoplasms of uncertain or unknown behavior	1,036	2.9	46	-	3	10	1	-	32	1	5	19	3
Diseases of Blood and Blood-Forming Organs and Certain Disorders of the Immune Mechanism	Diseases of Blood and Blood-Forming Organs and Certain Disorders of the Immune Mechanism	611	1.7	29	-	7	2	-	-	19	-	-	5	18
Remainder of C00-C97	Anemias	248	0.7	14	-	4	-	2	-	9	-	1	6	-
E00-E88	All other coagulation defects, hemorrhagic conditions, diseases of blood and blood-forming organs, and disorders of the immune mechanism	363	a	15	-	3	2	-	-	10	-	4	12	-
E10-E14	Endocrine, Nutritional, and Metabolic Diseases	8,644	24.1	375	-	9	68	10	5	250	7	32	263	4
E40-E64	Diabetes mellitus	6,783	18.9	276	-	7	54	8	3	177	1	19	188	4
E40-E46	Nutritional deficiencies	194	0.5	9	-	1	4	-	4	-	-	3	6	-
E65-E68	Malnutrition	186	0.5	8	-	1	4	-	4	-	-	3	6	-
E84	Obesity and other hyperalimentation	379	1.1	16	-	3	-	3	-	12	-	2	11	-
Remainder of E00-E88	Cystic fibrosis	47	0.1	74	a	-	-	-	-	3	1	2	5	8

Table 5-22. Detailed Causes of Death, California Counties, 2002 (By Place of Residence) - Cont.

ICD-10 CODES	CAUSES OF DEATH	CALIFORNIA						Contra Costa	Del Norte	El Dorado	Fresno	Glenn
		Number	Rate	Alameda	Alpine	Amador	Butte					
F01-F99		4,425	12.4	274	-	7	24	5	1	205	7	31
F01-F09	Mental and Behavioral Disorders	2,895	8.1	222	-	7	20	3	1	170	5	18
F01, F03	Organic, including symptomatic, mental disorders	2,842	7.9	218	-	7	20	3	1	169	5	18
F10-F19	Organic dementia	1,301	3.6	44	-	4	2	-	-	28	2	7
F10	Mental and behavioral disorders due to psychoactive substance use	844	2.4	18	-	2	1	-	-	17	6	6
F11-F16, F18-F19	Mental and behavioral disorders due to use of alcohol	411	1.1	24	-	1	1	-	-	10	2	-
F10	Mental and behavioral disorders due to use of drugs	229	a	8	-	-	-	-	-	7	-	6
Remainder of F01-F99	All other mental and behavioral disorders	-	-	-	-	-	-	-	-	6	-	-
G00-G98		9,165	25.6	378	1	13	98	15	6	286	2	50
G00, G03	Diseases of the Nervous System	73	0.2	5	-	-	1	-	-	1	-	-
G20-G21	Meningitis	1,576	4.4	67	-	2	18	2	3	44	-	4
G30	Parkinson's disease	5,405	15.1	208	-	8	49	9	1	166	2	9
G35	Alzheimer's disease	280	0.8	15	-	-	3	-	-	15	-	36
Remainder of G00-G98	Multiple Sclerosis	1,831	a	83	1	3	27	4	2	60	-	8
H00-H93	All other diseases of the nervous system	-	-	-	-	-	-	-	-	57	57	3
	Diseases of the Eye and Adnexa, and Ear and Mastoid Process	14	d	1	-	-	-	-	1	-	-	-
100-199	Diseases of the Circulatory System	92,516	258.4	3,648	4	141	932	173	47	2,627	86	427
100-178	Major Cardiovascular Diseases	92,001	257.0	3,622	4	140	927	172	47	2,616	85	426
100-09, 111, 113, 120-151	Diseases of the Heart	68,387	191.0	2,597	4	103	658	126	38	1,895	67	329
100-109	Acute rheumatic fever, chronic rheumatic heart diseases	446	1.2	14	-	-	7	-	1	18	-	-
I11	1,780	10.6	190	-	2	11	2	7	129	3	7	7
I13	Hypertensive heart disease	421	1.2	23	-	-	3	-	24	1	2	14
I20-I25	Ischemic heart disease	52,313	146.1	1,883	2	81	487	100	24	1,312	42	243
I20, I24	Angina pectoris and other acute ischemic heart diseases	139	0.4	8	-	-	4	-	-	6	-	-
I21-I22	Acute and subsequent myocardial infarction	15,912	44.4	649	-	24	131	23	6	495	18	72
I25	Chronic ischemic heart disease	36,262	101.3	1,226	2	57	352	77	18	811	24	171
I25.0	Atherosclerotic cardiovascular disease, so described	8,159	22.8	137	-	2	22	6	1	88	1	27
I25.1	Atherosclerotic heart disease	25,985	72.6	1,014	2	50	306	67	14	671	17	140
I25.2-I25.9	All other forms of chronic ischemic heart disease	2,118	5.9	75	-	5	24	4	3	52	6	4
I26-I51	Other heart diseases	11,427	31.9	487	2	20	150	24	6	412	21	77
I26	Pulmonary embolism	396	1.1	11	-	1	6	-	-	20	-	3
I42	Cardiomegaly	2,988	8.3	161	-	6	22	7	-	111	4	10
I48-I49	Atrial fibrillation and flutter and other cardiac arrhythmias	1,004	2.8	57	-	-	22	1	1	47	1	1
I50	Heart failure	3,559	9.9	112	1	4	48	9	1	115	8	42
I50.0	Congestive heart failure	3,521	9.8	112	1	4	47	8	1	115	8	42
I27-I40, I44-I47, I51	All other forms of heart disease	3,480	a	146	1	9	52	7	4	119	8	21
I10, I12	Essential [primary] hypertension, hypertensive renal disease	2,330	6.5	110	-	1	28	3	2	50	2	8
I60-I69	Cerebrovascular diseases [Stroke]	17,551	49.0	757	-	23	177	33	4	576	13	72
I70-I78	Diseases of arteries, arterioles, and capillaries	3,733	10.4	158	-	13	64	10	3	95	3	17
I70	Atherosclerosis	1,584	4.4	44	-	4	44	4	1	25	-	4
I71	Aortic aneurysm and dissection	1,386	3.9	65	-	8	17	4	2	51	2	12
I72-I78	Other diseases of arteries, arterioles and capillaries	763	2.1	49	-	1	3	2	-	19	1	20
I80-I99	Other disorders of circulatory system	515	a	26	-	1	5	1	-	11	1	1
J00-J38	Diseases of the Respiratory System	23,571	65.8	899	1	33	253	44	17	757	33	133
J10-J18	Influenza and pneumonia	8,098	22.6	293	-	11	68	16	7	226	8	35
J20-J21	Acute bronchitis and bronchiolitis	17	d	-	-	-	-	-	1	-	-	1
J40-J47	Chronic lower respiratory diseases [CLRD]	12,643	35.3	421	-	17	140	24	9	395	21	84
J40-J42	Bronchitis, chronic and unspecified	103	0.3	2	-	-	-	-	3	-	-	3
J43	Emphysema	1,533	4.3	65	-	2	12	3	1	62	2	32
J44	Other chronic obstructive pulmonary disease [COPD]	10,428	29.1	329	-	15	121	20	8	294	17	67
J45-J46	Asthma	496	1.4	18	-	7	1	1	30	2	3	8
J47	Bronchiectasis	83	0.2	7	-	-	-	-	6	-	-	1
J60-J66, J68	Pneumonioses and chemical effects	51	0.1	2	-	-	5	-	1	-	-	1
J69	Pneumonitis due to solids and liquids	983	2.7	90	-	-	20	1	1	74	1	54
Remainder of J00-J98	Other diseases of the respiratory system	93	a	1,779	-	1	5	20	1	60	3	-

Table 5-22. Detailed Causes of Death, California Counties, 2002 (By Place of Residence) - Cont.

ICD-10 CODES	CAUSES OF DEATH	CALIFORNIA						Contra Costa	Del Norte	El Dorado	Fresno	Glenn
		Number	Rate	Alameda	Alpine	Amador	Butte					
K00-K92	Diseases of the Digestive System	9,045	25.3	382	-	13	90	14	11	270	11	44
K25-K28	Peptic ulcer	700	2.0	29	-	3	2	3	16	-	3	22
K35-K38	Diseases of appendix	66	0.2	3	-	-	-	1	1	-	4	1
K40-K46	Hernia	174	0.5	6	-	-	-	1	6	-	2	5
K50-K51	Crohn's disease and ulcerative colitis	86	0.2	4	-	-	1	-	-	-	-	3
K70-K73-K74	Chronic liver disease and cirrhosis	3,725	10.4	135	-	5	47	6	2	95	4	17
K70	Alcoholic liver disease	2,495	7.0	72	-	4	29	4	1	61	4	11
K73-K74	Other chronic liver disease and cirrhosis	1,230	3.4	63	-	1	18	2	1	34	-	6
K80-K82	Gastritis and other disorders of gallbladder	396	1.1	21	-	1	-	-	15	-	3	11
K85-K86.0-K86.1	Pancreatitis	301	0.8	14	-	2	1	-	9	1	3	6
Remainder of K00-K92	All other diseases of the digestive system	3,597	a	170	-	7	36	5	5	127	4	16
L00-L98	Diseases of the Skin and Subcutaneous Tissue	255	0.7	18	-	1	2	-	-	17	1	-
L03	Cellulitis	101	0.3	4	-	1	-	-	7	-	-	4
L89	Decubitus ulcer	94	0.3	6	-	1	-	-	6	1	-	5
Remainder of L00-L98	All other diseases of the skin and subcutaneous tissue	60	a	8	-	1	1	-	4	-	-	-
M00-M99	Diseases of the Musculoskeletal System and Connective Tissue	1,313	3.7	63	-	2	9	1	2	26	1	4
M05-M13	Inflammatory polyarthropathies including rheumatoid arthritis	277	0.8	16	-	2	1	-	6	-	-	45
M32	Systemic lupus erythematosus	150	0.4	10	-	-	-	1	1	-	13	-
M34	Systemic sclerosis	149	0.4	8	-	-	1	-	2	-	-	3
M60-M79	Soft tissue disorders	140	0.4	4	-	-	1	-	3	-	-	5
M80-M81	Osteoporosis	160	0.4	5	-	4	-	1	7	-	1	9
M86	Osteomyelitis	96	0.3	4	-	-	4	-	4	-	-	1
Remainder of M00-M99	All other diseases of musculoskeletal system and connective tissue	341	a	16	-	2	1	-	3	-	-	2
N00-N98	Diseases of the Genitourinary System	3,993	11.2	187	-	11	31	5	4	108	5	13
N00-N07, N11-N19, N25-N27	Nephritis, nephrotic syndrome and nephrosis	2,149	6.0	93	-	6	18	4	1	40	5	3
N17-N19	Renal failure	2,028	5.7	86	-	6	16	4	1	39	5	2
N10-N12, N13-N15.1	Infections of kidney	111	0.3	6	-	3	-	1	-	-	1	44
N39.0	Urinary tract infection	1,425	4.0	73	-	4	10	1	3	55	-	1
N40	Hyperplasia of prostate	84	0.5 c	3	-	1	-	-	4	-	1	9
Remainder of N00-N98	All other diseases of the genitourinary system	224	a	12	-	-	-	8	-	-	1	28
O00-O99	Pregnancy, Childbirth, and the Puerperium	56	1.1 e	1	-	1	-	-	-	-	-	1
P00-P96	Certain Conditions Originating in the Perinatal Period	1,400	2.6 f	39	-	1	10	1	1	27	1	49
P01	Effect of maternal complications of pregnancy	113	0.2 f	1	-	2	-	4	-	-	-	3
P02	Complications of placenta, cord and membrane	102	0.2 f	4	-	1	-	1	1	-	1	5
P07	Disorders of short gestation and low birth weight	414	0.8 f	12	-	-	-	6	-	4	-	16
P20-P21	Intruterine hypoxia and birth asphyxia	67	0.1 f	6	-	1	-	1	-	-	-	2
P22	Respiratory distress of newborn	82	0.2 f	1	-	2	-	1	-	-	-	2
P29	Cardiovascular disorders originating in perinatal period	219	0.4 f	5	-	2	-	8	-	-	1	12
P36	Bacterial sepsis of newborn	46	0.1 f	-	-	1	-	1	-	-	-	6
P50-P52, P54	Neonatal hemorrhage	42	0.1 f	2	-	-	-	1	-	-	-	7
Remainder of P00-P96	All other conditions originating in the perinatal period	315	a	8	-	3	-	4	-	-	1	9
Q00-Q99	Congenital Malformations and Chromosomal Abnormalities	1,302	3.6	41	-	-	-	7	2	24	-	4
Q00-Q07	Congenital malformation of the nervous system	149	0.4	5	-	-	1	-	2	-	1	6
Q20-Q28	Congenital malformations of the heart and circulatory system	533	1.5	19	-	4	-	13	-	2	9	2
Q30-34	Congenital malformations of the respiratory system	86	0.2	2	-	-	1	-	4	-	-	2
Q60-Q64	Congenital malformations of the urinary system	98	0.3	4	-	-	1	-	1	-	1	3
Q90	Down's syndrome	77	0.2	3	-	-	1	-	2	-	-	3
Q91	Edward's syndrome and Patau's syndrome	96	0.3	1	-	-	2	-	2	-	-	6
Remainder of Q00-Q99	All other congenital malformations and chromosomal abnormalities	263	a	7	-	2	-	2	-	-	-	7
R00-R99	Symptoms, Signs, Abnormal Clinical and Lab Findings	1,151	3.2	45	-	3	14	3	-	27	4	67
R95	Sudden infant death syndrome [SIDS]	168	0.3 f	14	-	5	-	1	2	-	2	7
Remainder of R00-R99	All other symptoms, signs, abnormal clinical and lab findings, and other ill-defined and unspecified causes of mortality	983	a	31	-	3	-	1	2	-	23	2

Table 5-22. Detailed Causes of Death, California Counties, 2002 (By Place of Residence) - Cont.

ICD-10 CODES		CAUSES OF DEATH	CALIFORNIA										El Dorado	Fresno	Glenn
			Number	Rate	Alameda	Alpine	Amador	Butte	Calaveras	Colusa	Contra Costa	Del Norte			
V01-Y89		External Causes of Death	16,118	45.0	670	-	25	162	28	10	438	33	84	473	23
V01-Y99, W00-X59, Y85-Y86	V01-Y99, Y85 See Footnote (g)	Unintentional Injuries [Accidents]	9,882	27.6	354	-	17	123	21	7	255	23	47	348	12
V01-Y99, Y85		Transport accidents and sequelae	4,460	12.5	128	-	9	51	14	5	103	12	22	191	5
Y85.0		Motor vehicle accidents	4,120	11.5	116	-	8	50	10	5	89	9	21	182	5
See Footnote (h)		Sequelae of motor vehicle accidents	83	0.2	5	-	-	-	-	3	-	-	-	2	-
V90-V99, Y85.9		Other land, railway, and streetcar transport accidents	139	0.4	6	-	1	1	-	5	1	1	1	5	-
		Water, air, space, other and unspecified transport accidents and sequelae	118	0.3	1	-	-	-	2	-	6	2	-	2	-
W00-X59, Y86		Non-transport accidents and sequelae	5,422	15.1	226	-	8	72	7	2	152	11	25	157	7
W00-W19		Falls	1,472	4.1	56	-	2	15	-	-	42	2	6	38	1
W32-W34		Accidental discharge of firearms	47	0.1	1	-	-	-	-	2	-	-	1	3	1
W65-W74		Accidental drowning and submersion	366	1.0	16	-	-	5	1	-	13	-	1	20	1
X00-X09		Accidental exposure to smoke, fire and flames	208	0.6	6	-	-	3	-	2	3	-	-	2	-
X40-X49		Accidental poisoning and exposure to noxious substances	2,376	6.6	103	-	4	33	3	-	68	5	10	65	3
Remainder of W00-X59, Y86		Other and unspecified nontransport accidents and sequelae	953	a	44	-	2	16	3	-	24	4	7	29	1
U03 X60-X84, Y87.0		Intentional Self-Harm [Suicide]	3,210	9.0	135	-	5	31	3	3	100	8	22	50	10
X60-X69		Suicide by poisoning	627	1.8	30	-	-	4	-	-	16	3	6	6	1
X70		Suicide by hanging, strangulation, and suffocation	729	2.0	29	-	1	2	1	1	24	-	2	10	1
X72-X74		Suicide by discharge of firearms	1,484	4.1	58	-	4	21	2	1	45	4	13	26	8
X80		Suicide by jumping from a high place	125	0.3	4	-	-	2	-	-	7	1	-	-	-
Remainder of X60-X84, Y87.0		Suicide by other and unspecified means and sequelae	245	a	14	-	-	2	-	1	8	-	1	8	-
U01-U02, X85-Y09, Y87.1		Assault [Homicide]	2,459	6.9	149	-	-	5	2	-	66	1	4	63	1
X91		Homicide by hanging, strangulation, and suffocation	64	0.2	5	-	-	-	-	-	-	-	-	-	-
U01.4, X93-X95		Homicide by discharge of firearms	1,794	5.0	111	-	-	4	2	-	49	-	1	47	1
X99		Homicide by sharp object	248	0.7	15	-	1	-	-	-	7	1	1	9	-
Remainder of U01-U02, X85-Y09, Y87.1		Homicide by other and unspecified means and sequelae	353	a	18	-	-	-	-	10	-	2	7	-	-
Y10-Y84, Y87.2, Y88-Y89		Other External Causes of Death	567	1.6	32	-	3	3	2	-	17	1	11	12	-
Y10-Y34, Y87.2, Y89.9		Events of undetermined intent and sequelae	307	0.9	15	-	1	2	-	9	-	9	1	-	-
Y35, Y89.0		Legal intervention and sequelae	47	0.1	-	-	-	-	-	-	-	1	5	-	-
Y36, Y89.1		Operations of war and sequelae	1	a	-	-	-	-	-	-	-	-	-	-	-
Y40-Y84, Y88		Complications of medical and surgical care and sequelae	212	0.6	17	-	3	2	-	8	1	1	1	6	-

Table 5-22. Detailed Causes of Death, California Counties, 2002 (By Place of Residence) - Cont.

ICD-10 CODES	CAUSES OF DEATH	Humboldt	Imperial	Inyo	Kern	Kings	Lake	Lassen	Los Angeles	Madera	Marin	Mariposa	Mendocino
A00-Y89	Total - All Causes	1,214	916	219	5,104	729	708	222	59,586	877	1,840	173	819
A00-B99	Certain Infectious and Parasitic Diseases												
A01-A09	Total infectious diseases	25	20	1	99	17	19	3	1,132	17	32	-	11
A16-A19	Tuberculosis	3	1	-	-	1	-	-	50	1	2	-	-
A39	Meningococcal infection	1	2	-	-	-	-	-	54	1	-	-	-
A40-A41	Septicemia	4	4	-	-	19	5	4	1	101	3	11	-
B15-B19	Viral hepatitis	8	5	-	-	24	5	5	1	216	3	7	5
B20-B24	Human immunodeficiency virus [HIV] disease	5	3	-	-	15	3	5	1	502	2	5	-
Remainder of A00-B99	Other and unspecified infectious diseases and sequelae	4	4	1	34	3	4	-	207	7	7	-	2
C00-C97	Malignant Neoplasms [Cancer]	288	206	46	1,041	146	173	50	13,431	181	488	44	189
C00-C14	Cancers of lip, oral cavity, and pharynx	5	2	-	18	-	3	-	216	3	8	-	1
C15	Cancer of esophagus	1	4	1	22	4	5	2	257	5	15	-	5
C16	Cancer of stomach	5	7	-	21	8	8	1	515	4	10	1	5
C18-C21	Cancer of colon, rectum and anus	21	18	7	113	15	12	-	1,315	17	42	6	20
C18	Cancer of colon	17	17	6	85	13	9	-	1,102	16	33	5	17
C22	Cancer of liver and intrahepatic bile ducts	10	10	-	15	6	6	-	580	4	11	-	7
C25	Cancer of pancreas	17	14	1	35	9	10	4	801	7	22	1	14
C32	Cancer of larynx	1	2	-	6	-	-	-	99	1	-	-	-
C33-C34	Cancer of trachea, bronchus, and lung	95	50	16	338	44	58	14	3,081	55	147	14	53
C43	Malignant melanoma of skin	4	2	2	13	2	4	1	141	1	7	2	4
C45	Mesothelioma	2	1	-	6	1	1	-	43	2	2	-	1
C50	Cancer of breast [total male and female]	14	16	7	81	6	7	3	1,064	15	43	3	10
C53	Cancer of cervix uteri	2	3	-	8	1	1	-	158	2	-	-	-
C54-C55	Cancer of corpus uteri and uterus, part unspecified	-	4	-	16	3	1	1	210	4	11	1	-
C56	Cancer of ovary	7	2	2	33	2	2	1	390	8	12	-	11
C61	Cancer of prostate	18	16	2	49	6	11	4	788	9	25	3	4
C64-C65	Cancer of kidney and renal pelvis	8	1	1	17	2	6	1	285	3	7	-	-
C67	Cancer of bladder	4	3	-	23	1	4	3	276	7	13	1	3
C70-C76	Cancer of lymphoid, hematopoietic, and related tissue	11	5	-	22	8	4	1	336	5	9	-	7
C81	Hodgkin's disease	33	24	3	102	12	19	4	1,406	14	49	7	22
C82-C85	Non-Hodgkin's lymphoma	15	11	-	3	-	-	-	46	-	-	-	1
C88-C90	Multiple myeloma and immunoproliferative neoplasms	15	6	2	39	4	7	2	531	1	21	3	8
C91-C95	Leukemia	3	7	1	16	2	6	2	284	4	6	1	7
Remainder of C00-C97	All other and unspecified malignant neoplasms [cancers]	30	22	4	103	16	12	10	1,470	18	52	5	21
D00-D48	In Situ Neoplasms, Benign Neoplasms, Neoplasms of Uncertain or Unknown Behavior	4	1	1	23	3	4	1	259	6	17	2	4
D00-D09, D10-D36	In situ and benign neoplasms	1	-	-	5	1	-	-	59	1	-	-	-
D37-D48	Neoplasms of uncertain or unknown behavior	3	1	1	18	2	4	1	200	6	16	6	4
D50-D89	Diseases of Blood and Blood-Forming Organs and Certain Disorders of the Immune Mechanism	3	4	1	12	3	-	1	126	1	3	-	2
D50-D64	Anemias	1	3	-	5	1	-	-	53	1	2	-	-
D65-D89	All other coagulation defects, hemorrhagic conditions, diseases of blood and blood-forming organs, and disorders of the immune mechanism	2	1	1	7	2	-	1	73	1	-	-	2
E00-E88	Endocrine, Nutritional, and Metabolic Diseases	52	41	4	211	63	18	11	2,488	43	49	7	22
E10-E14	Diabetes mellitus	32	31	2	166	56	13	7	2,122	35	35	2	14
E40-E64	Nutritional deficiencies	3	4	1	5	3	1	2	27	1	-	1	3
E40-E46	Malnutrition	3	4	1	5	3	1	2	27	1	-	1	3
E65-E68	Obesity and other hyperalimentation	2	1	1	7	2	-	-	91	2	-	-	-
E84	Cystic fibrosis	-	-	-	5	-	-	-	13	2	-	-	5
Remainder of E00-E88	All other endocrine, nutritional, and metabolic diseases	15	5	-	28	2	-	-	235	3	2	-	4

Table 5-222. Detailed Causes of Death, California Counties, 2002 (By Place of Residence) - Cont.

ICD-10 CODES	CAUSES OF DEATH	Humboldt	Imperial	Inyo	Kern	Kings	Lake	Lassen	Los Angeles	Madera	Marin	Marietta	Mendocino
F01-F99	Mental and Behavioral Disorders	26	12	6	73	7	12	7	972	15	36	3	19
F01-F99	Organic, including symptomatic, mental disorders	15	10	3	34	3	7	5	678	5	28	3	15
F01, F03	Organic dementia	15	8	3	32	3	5	4	675	5	28	3	13
F10-F19	Mental and behavioral disorders due to psychoactive substance use	10	2	2	34	3	5	2	254	9	6	-	4
F10	Mental and behavioral disorders due to use of alcohol	9	1	2	19	-	4	2	148	8	6	-	3
F11-F16, F18-F19	Mental and behavioral disorders due to use of drugs	-	1	-	15	3	-	-	99	-	-	-	1
Remainder of F01-F99	All other mental and behavioral disorders	-	1	-	1	5	1	-	40	1	2	-	-
G00-G98	Diseases of the Nervous System	74	29	4	156	24	17	6	1,738	39	76	4	15
G00, G03	Meningitis	-	1	-	24	3	2	1	335	5	17	-	1
G20-G21	Parkinson's disease	15	8	-	24	3	2	-	-	-	2	2	-
G30	Alzheimer's disease	42	12	1	88	15	10	5	973	28	39	-	8
G35	Multiple Sclerosis	4	-	-	3	1	2	-	60	-	5	-	-
Remainder of G00-G98	All other diseases of the nervous system	13	8	3	41	4	3	-	352	6	15	2	4
H00-H93	Diseases of the Eye and Adnexa, and Ear and Mastoid Process	-	-	-	-	-	-	3	-	3	-	1	-
100-199	Diseases of the Circulatory System	389	347	89	2,062	243	238	79	24,941	355	675	65	298
100-178	Major Cardiovascular Diseases	388	345	89	2,048	243	238	78	24,800	353	673	64	298
100-109, 111, 113, 120-151	Diseases of the Heart	284	252	67	1,614	195	187	64	18,991	274	461	54	209
100-109	Acute rheumatic fever, chronic rheumatic heart diseases	4	1	-	8	2	2	-	98	-	3	-	2
111	Hypertensive heart disease	22	13	1	77	17	2	5	759	35	15	-	6
113	Hypertensive heart and renal disease	2	1	-	8	2	1	-	115	2	4	-	1
120-125	Ischemic heart disease	176	193	53	1,319	135	132	52	15,534	196	347	44	128
120, 124	Angina pectoris and other acute ischemic heart diseases	1	1	-	10	10	-	1	36	-	1	-	2
121-122	Acute and subsequent myocardial infarction	53	102	15	370	52	35	20	4,442	62	102	18	35
125	Chronic ischemic heart disease	122	90	38	939	81	97	31	11,056	134	244	26	91
I25.0	Atherosclerotic cardiovascular disease, so described	25	17	13	125	17	30	5	3,390	32	103	4	24
I25.1	Atherosclerotic heart disease	85	69	24	764	61	62	24	7,197	92	129	22	56
I25.2-I25.9	All other forms of chronic ischemic heart disease	12	4	1	50	3	5	2	469	10	12	-	11
I26-I51	Other heart diseases	80	44	13	202	39	50	7	2,485	41	92	10	72
I26	Pulmonary embolism	2	1	1	12	1	1	1	36	2	5	-	3
I42	Cardiomyopathy	12	14	1	55	5	10	-	833	5	20	1	13
I48-I49	Atrial fibrillation and flutter and other cardiac arrhythmias	13	8	1	11	5	8	2	87	8	9	-	8
I50	Heart failure	29	9	6	64	22	15	2	741	13	23	5	24
I50.0	Congestive heart failure	29	9	6	64	21	15	2	738	13	23	4	24
I27-I40, I44-I47, I51	All other forms of heart disease	24	12	4	60	6	16	2	788	13	35	4	24
I10, I12	Essential [primary] hypertension, hypertensive renal disease	4	7	1	47	6	3	-	700	10	17	-	9
I60-I69	Cerebrovascular diseases [Stroke]	89	73	19	330	34	37	10	4,169	59	165	9	65
I70-I78	Diseases of arteries, arterioles, and capillaries	11	13	2	57	8	11	4	940	10	30	1	15
I70	Atherosclerosis	5	2	-	17	4	-	-	487	2	12	1	8
I71	Aortic aneurysm and dissection	4	6	2	27	2	8	2	281	3	13	-	6
I72-I78	Other diseases of arteries, arterioles and capillaries	2	5	-	13	2	3	2	172	5	5	-	1
I80-I99	Other disorders of circulatory system	1	2	-	14	-	1	1	141	2	2	1	-
J00-J98	Diseases of the Respiratory System	126	73	15	561	68	93	15	5,676	74	197	17	101
J10-J18	Influenza and pneumonia	33	13	1	179	7	30	3	2,494	13	78	2	23
J20-J21	Acute bronchitis and bronchiolitis	-	-	-	1	-	1	-	5	1	-	-	-
J40-J47	Chronic lower respiratory diseases [CLRD]	79	49	12	307	50	51	8	2,770	42	92	12	64
J40-J42	Bronchitis, chronic and unspecified	-	-	-	-	-	-	-	36	1	-	-	-
J43	Emphysema	12	8	1	33	5	6	1	352	5	14	2	10
J44	Other chronic obstructive pulmonary disease [COPD]	62	40	10	265	43	45	7	2,252	35	73	9	49
J45-J46	Asthma	4	1	-	9	-	-	-	119	1	4	1	3
J47	Bronchiectasis	1	-	1	-	2	-	-	11	-	-	-	-
J60-J66, J68	Pneumoconioses and chemical effects	-	-	-	1	-	-	-	5	1	1	-	-
J69	Pneumonitis due to solids and liquids	2	3	-	33	6	5	2	13	9	11	1	8
Remainder of J00-J98	Other diseases of the respiratory system	12	8	2	40	5	2	2	389	8	15	2	5

Table 5-22. Detailed Causes of Death, California Counties, 2002 (By Place of Residence) - Cont.

ICD-10 CODES	CAUSES OF DEATH	Humboldt	Imperial	Inyo	Kern	Kings	Lake	Lassen	Los Angeles	Madera	Marin	Mariposa	Mendocino
K00-K92	Diseases of the Digestive System	50	46	13	241	35	37	8	2,552	44	92	10	37
K25-K28	Peptic ulcer	5	2	1	18	1	-	-	198	4	7	-	1
K35-K38	Diseases of appendix	-	1	-	3	-	-	-	17	-	-	-	-
K40-K46	Hernia	-	-	-	3	-	-	-	41	-	1	1	1
K50-K51	Crohn's disease and ulcerative colitis	-	-	-	2	-	-	-	3	21	-	2	-
K70, K73-K74	Chronic liver disease and cirrhosis	24	23	6	107	18	14	2	1,085	20	31	3	11
K73-K74	Alcoholic liver disease	18	12	4	81	14	8	1	748	15	15	2	9
K80-K82	Other chronic liver disease and cirrhosis	6	11	2	26	4	6	1	337	5	16	2	2
K85, K86.0-K86.1	Cholelithiasis and other disorders of gallbladder	4	-	-	6	2	1	-	107	1	2	1	-
Remainder of K00-K92	Pancreatitis	-	1	-	13	1	2	-	61	-	3	-	2
L00-L98	All other diseases of the digestive system	17	19	6	89	13	19	3	722	19	46	5	21
L03	Diseases of the Skin and Subcutaneous Tissue	2	2	-	5	4	3	1	23	-	3	-	2
L89	Cellulitis	1	1	-	2	1	1	-	17	-	2	-	1
Remainder of L00-L98	Decubitus ulcer	-	1	-	1	2	1	-	1	3	-	1	-
M00-M99	All other diseases of the skin and subcutaneous tissue	-	-	-	-	-	-	-	-	-	-	-	-
M05-M13	Diseases of the Musculoskeletal System and Connective Tissue	14	7	3	30	3	6	-	286	2	8	1	4
M32	Inflammatory polyarthropathies including rheumatoid arthritis	1	1	1	9	1	1	-	67	-	1	1	2
M34	Systemic lupus erythematosus	2	1	-	6	1	1	-	42	1	-	-	-
M60-M79	Systemic sclerosis	1	2	-	1	-	-	-	46	-	-	1	-
M80-M81	Soft tissue disorders	1	1	-	5	-	2	-	19	-	2	-	-
M86	Osteoporosis	2	1	-	3	-	2	-	18	-	2	-	-
Remainder of M00-M99	Osteomyelitis	-	2	1	1	-	-	-	13	-	2	-	-
N00-N98	All other diseases of musculoskeletal system and connective tissue	6	1	2	5	1	-	-	81	1	2	-	1
N00-N07, N17-N19, N25-N27	Diseases of the Genitourinary System	22	7	11	80	23	12	4	1,041	17	30	2	18
N17-N19	Nephritis, nephrotic syndrome and nephrosis	7	4	7	27	17	5	3	719	3	7	-	11
N10-N12, N13-N15.1	Renal failure	5	4	5	24	17	5	3	688	3	6	-	10
N39.0	Infections of kidney	1	-	-	2	-	3	-	17	3	2	-	6
N40	Urinary tract infection	14	3	4	46	3	4	1	258	8	18	2	2
Remainder of N00-N98	Hyperplasia of prostate	-	-	-	1	1	-	-	17	-	1	-	-
O00-O99	All other diseases of the genitourinary system	-	-	-	4	2	-	-	30	3	2	-	1
P00-P96	Pregnancy, Childbirth, and the Puerperium	-	-	-	2	1	-	-	25	-	1	-	1
P01	Certain Conditions Originating in the Perinatal Period	7	6	-	38	9	-	-	411	8	5	1	5
P02	Effect of maternal complications of pregnancy	2	-	-	4	1	-	-	26	1	-	-	2
P07	Complications of placenta, cord and membrane	2	1	-	2	1	2	-	30	1	1	-	-
P20-P21	Disorders of short gestation and low birthweight	-	-	-	9	1	-	-	127	2	2	-	-
P22	Intrauterine hypoxia and birth asphyxia	2	-	-	2	1	-	-	17	-	-	1	-
P29	Respiratory distress of newborn	-	2	-	6	-	-	-	28	-	-	-	-
P36	Cardiovascular disorders originating in perinatal period	-	1	-	5	2	-	-	73	-	-	-	-
P50-P52, P54	Bacterial sepsis of newborn	-	1	-	2	1	-	-	13	-	-	-	-
Remainder of P00-P96	Neonatal hemorrhage	-	2	2	8	1	-	-	14	-	1	-	-
Q00-Q99	All other conditions originating in the perinatal period	-	-	-	-	-	-	-	83	4	2	1	1
Q00-Q07	Congenital Malformations and Chromosomal Abnormalities	3	5	-	27	7	2	1	386	4	3	-	3
Q20-Q28	Congenital malformation of the nervous system	-	1	-	6	3	1	-	38	-	1	-	-
Q30-Q34	Congenital malformations of the heart and circulatory system	2	1	-	9	1	-	-	172	-	1	2	-
Q60-Q64	Congenital malformations of the respiratory system	-	-	-	2	-	-	-	18	-	1	-	-
Q90	Down's syndrome	-	1	-	1	2	-	-	24	-	1	-	-
Q91	Edward's syndrome and Patau's syndrome	-	-	-	1	1	-	-	20	2	-	-	-
Remainder of Q00-Q99	All other congenital malformations and chromosomal abnormalities	1	2	-	6	1	-	-	82	2	-	-	-
R00-R99	Symptoms, Signs, Abnormal Clinical and Lab Findings	4	26	1	15	3	5	4	215	5	6	2	1
R95	Sudden infant death syndrome [SIDS]	1	-	6	1	1	-	-	11	-	1	-	1
Remainder of R00-R99	All other symptoms, signs, abnormal clinical and lab findings, and other ill-defined and unspecified causes of mortality	3	26	1	9	2	4	4	204	5	5	2	1

Table 5-22. Detailed Causes of Death, California Counties, 2002 (By Place of Residence) - Cont.

ICD-10 CODES	CAUSES OF DEATH	Humboldt	Imperial	Inyo	Kern	Kings	Lake	Lassen	Los Angeles	Madera	Marin	Marietta	Mendocino
V01-Y89	External Causes of Death	125	84	24	428	70	69	31	4,181	66	118	15	87
V01-Y99, W00-X59, Y85-Y86	Unintentional Injuries [Accidents]	83	68	16	287	45	42	20	2,194	47	67	13	61
V01-Y99, Y85	Transport accidents and sequelae	25	39	9	141	33	20	11	930	28	18	10	25
See Footnote (g)	Motor vehicle accidents	25	39	5	131	30	18	10	851	27	16	10	25
Y85.0	Sequelae of motor vehicle accidents	-	-	-	2	1	-	-	25	-	2	-	-
See Footnote (h)	Other land, railway, and streetcar transport accidents	-	-	-	5	-	1	-	28	-	-	-	-
V90-Y99, Y85.9	Water, air, space, other and unspecified transport accidents and sequelae	-	-	4	3	2	1	1	26	1	-	-	-
W00-X59, Y86	Non-transport accidents and sequelae	58	29	7	146	12	22	9	1,264	19	49	3	36
W00-W19	Falls	11	6	4	24	2	5	1	351	5	20	-	7
W32-W34	Accidental discharge of firearms	-	1	-	4	-	-	1	-	-	-	-	-
W65-W74	Accidental drowning and submersion	4	7	-	9	-	2	-	68	1	3	1	-
X00-X09	Accidental exposure to smoke, fire and flames	4	3	1	9	-	1	-	42	-	5	-	2
X40-X49	Accidental poisoning and exposure to noxious substances	29	6	1	73	6	10	5	620	9	10	2	14
Remainder of W00-X59, Y86	Other and unspecified nontransport accidents and sequelae	10	6	1	27	4	4	2	173	4	11	-	13
U03, X60-X84, Y87.0	Intentional Self-Harm [Suicide]	26	8	7	74	13	18	8	727	11	35	2	14
X60-X69	Suicide by poisoning	6	-	-	14	3	-	1	131	-	8	-	1
X70	Suicide by hanging, strangulation, and suffocation	4	4	2	15	4	6	1	188	4	6	1	3
X72-X74	Suicide by discharge of firearms	14	3	5	38	6	12	6	311	7	10	1	8
X80	Suicide by jumping from a high place	-	-	1	-	1	-	-	37	-	5	-	-
Remainder of X60-X84, Y87.0	Suicide by other and unspecified means and sequelae	2	1	-	6	-	-	-	60	-	6	-	2
U01-U02, X85-Y09, Y87.1	Assault [Homicide]	13	5	-	54	7	3	2	1,148	8	5	-	6
X91	Homicide by hanging, strangulation, and suffocation	1	-	-	-	1	-	-	27	-	2	-	-
U01.4, X93-X95	Homicide by discharge of firearms	9	1	-	28	2	1	-	926	4	-	-	2
X99	Homicide by sharp object	-	4	-	14	1	2	-	78	1	1	-	1
Remainder of	Homicide by other and unspecified means and sequelae	3	-	-	12	3	-	-	117	4	2	-	3
Y10-Y84, Y87.2, Y88-Y89	Other External Causes of Death	3	3	1	13	5	6	1	112	-	11	-	6
Y10-Y34, Y87.2, Y89.9	Events of undetermined intent and sequelae	3	2	-	8	1	6	1	58	-	8	-	6
Y35-Y89.0	Legal intervention and sequelae	-	-	-	-	-	1	-	9	-	1	-	-
Y36-Y89.1	Operations of war and sequelae	-	-	-	-	-	-	-	-	-	-	-	-
Y40-Y84, Y88	Complications of medical and surgical care and sequelae	-	-	1	1	5	3	-	45	-	2	-	-

Table 5-22. Detailed Causes of Death, California Counties, 2002 (By Place of Residence) - Cont.

ICD-10 CODES	CAUSES OF DEATH	Merced	Moddoc	Mono	Monterey	Napa	Nevada	Orange	Placer	Plumas	Riverside	Sacramento	San Benito
A00-Y89	Total - All Causes	1,442	97	51	2,383	1,262	961	16,789	2,117	201	12,830	9,578	252
A00-B99	Certain Infectious and Parasitic Diseases												
A01-A09	Intestinal infectious diseases	37	2	-	50	13	10	224	21	4	218	198	4
A16-A19	Tuberculosis	3	-	-	3	-	-	6	1	-	15	10	-
A39	Meningococcal infection	-	-	-	-	-	-	4	-	-	-	1	-
A40-A41	Septicemia	7	-	-	11	4	3	15	6	3	52	41	-
B15-B19	Viral hepatitis	8	1	-	10	3	1	55	5	-	29	39	1
B20-B24	Human immunodeficiency virus [HIV] disease	5	-	-	14	3	3	59	1	-	79	56	1
Remainder of A00-B99	Other and unspecified infectious diseases and sequelae	12	1	-	9	3	2	66	5	1	39	49	2
C00-C97	Malignant Neoplasms [Cancer]	294	13	15	523	290	241	4,056	551	64	2,935	2,230	55
C00-C14	Cancers of lip, oral cavity, and pharynx	9	-	-	5	2	2	76	4	-	48	36	1
C15	Cancer of esophagus	4	-	-	10	7	7	100	12	2	65	44	1
C16	Cancer of stomach	18	-	-	20	7	6	129	9	-	72	59	1
C18-C21	Cancer of colon, rectum and anus	31	1	-	40	31	25	398	46	8	304	194	4
C18	Cancer of colon	25	1	-	27	26	22	333	40	5	257	163	4
C22	Cancer of liver and intrahepatic bile ducts	9	-	-	19	4	5	142	10	1	102	52	-
C25	Cancer of pancreas	12	1	-	22	17	10	245	26	3	154	132	8
C32	Cancer of larynx	1	-	-	3	1	1	20	-	-	22	15	-
C33-C34	Cancer of trachea, bronchus, and lung	67	3	4	147	73	68	981	149	24	782	603	11
C43	Malignant melanoma of skin	4	-	-	10	5	8	72	10	2	40	24	1
C45	Mesothelioma	1	-	-	-	2	3	17	7	-	14	5	1
C50	Cancer of breast [total male and female]	32	-	3	47	19	14	323	30	3	209	173	4
C53	Cancer of cervix uteri	1	-	-	6	3	1	33	-	-	32	13	-
C54-C55	Cancer of corpus uteri and uterus, part unspecified	3	-	-	8	5	2	42	2	-	31	13	1
C56	Cancer of ovary	5	-	-	16	13	1	126	23	3	90	54	3
C61	Cancer of prostate	15	1	-	28	20	19	205	47	3	183	124	1
C64-C65	Cancer of kidney and renal pelvis	2	-	1	7	6	3	81	12	-	64	49	2
C67	Cancer of bladder	10	-	1	15	4	4	116	12	1	97	56	1
C70-C72	Cancer of meninges, brain, central nervous system	2	2	1	13	6	9	115	23	-	81	66	2
C81-C96	Cancer of lymphoid, hematopoietic, and related tissue	33	2	3	52	31	27	440	72	6	296	241	9
C81	Hodgkin's disease	-	-	-	3	2	1	11	1	-	6	11	-
C82-C85	Non-Hodgkin's lymphoma	16	-	1	20	10	11	166	32	5	115	85	6
C88-C90	Multiple myeloma and immunoproliferative neoplasms	8	2	1	15	11	6	177	24	1	113	94	3
C91-C95	Leukemia	9	-	1	14	8	9	86	15	-	61	50	-
Remainder of C00-C97	All other and unspecified malignant neoplasms [cancers]	35	3	-	55	34	26	395	57	8	249	277	4
D00-D48	In Situ Neoplasms, Benign Neoplasms, Neoplasms of Uncertain or Unknown Behavior	15	1	-	18	9	4	114	10	2	67	50	1
D00-D09, D10-D36	In situ and benign neoplasms	1	-	-	2	-	-	25	3	1	16	10	-
D37-D48	Neoplasms of uncertain or unknown behavior	14	-	1	16	9	2	89	7	1	51	40	1
D50-D89	Diseases of Blood and Blood-Forming Organs and Certain Disorders of the Immune Mechanism	5	-	-	14	3	3	35	6	2	17	19	3
D50-D64	Anemias	-	-	-	8	-	1	10	2	1	8	10	1
D65-D89	All other coagulation defects, hemorrhagic conditions, diseases of blood and blood-forming organs, and disorders of the immune mechanism	5	5	6	3	1	2	25	4	1	3	9	2
E00-E88	Endocrine, Nutritional, and Metabolic Diseases	78	4	2	103	34	26	558	67	6	346	316	6
E10-E14	Diabetes mellitus	59	2	1	76	31	17	457	46	4	275	239	3
E40-E64	Nutritional deficiencies	2	2	2	4	2	4	3	1	-	8	1	8
E40-E46	Malnutrition	2	2	-	4	2	3	3	1	-	8	8	1
E65-E88	Obesity and other hyperalimentation	5	5	-	5	-	-	21	3	-	18	21	-
E84	Cystic fibrosis	-	-	-	1	-	-	4	-	-	2	3	-
Remainder of E00-E88	All other endocrine, nutritional, and metabolic diseases	12	-	-	1	-	-	17	1	3	43	45	2

Table 5-222. Detailed Causes of Death, California Counties, 2002 (By Place of Residence) - Cont.

ICD-10 CODES	CAUSES OF DEATH	Merced	Modoc	Mono	Monterey	Napa	Nevada	Orange	Placer	Plumas	Riverside	Sacramento	San Benito
F01-F99	Mental and Behavioral Disorders	17	2	-	56	23	20	300	33	5	217	200	7
F01-F9	Organic, including symptomatic, mental disorders	8	2	-	42	18	15	248	27	4	150	135	4
F01, F03	Organic dementia	7	2	-	41	18	15	247	27	4	148	135	4
F10-F19	Mental and behavioral disorders due to psychoactive substance use	6	-	-	11	3	5	42	5	1	60	60	3
F10	Mental and behavioral disorders due to use of alcohol	5	-	-	8	1	2	32	3	-	51	38	2
F11-F16, F18-F19	Mental and behavioral disorders due to use of drugs	1	-	-	3	-	2	9	1	1	8	21	1
Remainder of F01-F99	All other mental and behavioral disorders	3	-	-	3	2	-	10	1	-	7	5	-
G00-G98	Diseases of the Nervous System	42	3	1	104	92	39	724	120	8	498	357	8
G00, G03	Meningitis	1	-	-	-	-	-	-	-	-	6	3	-
G20-G21	Parkinson's disease	6	1	-	23	12	5	159	23	1	70	53	3
G30	Alzheimer's disease	23	2	-	42	63	23	431	71	3	329	215	2
G35	Multiple Sclerosis	-	-	-	8	3	-	23	5	-	6	12	-
Remainder of G00-G98	All other diseases of the nervous system	12	-	1	31	14	11	108	21	4	87	74	3
H00-H93	Diseases of the Eye and Adnexa, and Ear and Mastoid Process	1	-	-	-	-	-	1	-	-	1	-	-
I00-I99	Diseases of the Circulatory System	544	40	19	921	519	367	6,994	826	56	5,368	3,760	93
I00-I78	Major Cardiovascular Diseases	538	40	19	914	519	365	6,956	820	56	5,348	3,749	93
I00-I09, I11, I13, I20-I51	Diseases of the Heart	404	33	14	651	353	254	5,084	594	41	4,120	2,677	62
I00-I09	Acute rheumatic fever, chronic rheumatic heart diseases	5	-	-	8	2	1	33	3	1	24	14	-
I11	Hypertensive heart disease	29	2	-	23	11	9	162	23	4	354	147	2
I13	Hyperkinetic heart and renal disease	3	-	-	3	-	2	21	4	-	13	17	-
I20-I25	Ischemic heart disease	306	23	12	479	257	189	4,098	448	30	3,206	2,108	51
I20, I24	Angina pectoris and other acute ischemic heart diseases	-	-	-	2	-	1	12	-	-	5	2	2
I21-I22	Acute and subsequent myocardial infarction	153	6	105	70	62	62	1,143	140	10	874	566	12
I25	Chronic ischemic heart disease	153	8	6	372	187	126	2,943	308	20	2,327	1,540	37
I25.0	Atherosclerotic cardiovascular disease, so described	30	1	-	53	23	18	547	55	1	561	303	3
I25.1	Atherosclerotic heart disease	121	7	6	286	153	101	2,264	243	17	1,654	1,186	31
I25.2-I25.9	All other forms of chronic ischemic heart disease	2	-	-	33	11	7	132	10	2	112	51	3
I26-I51	Other heart diseases	61	8	2	138	83	53	770	116	6	523	391	9
I26	Pulmonary embolism	3	-	-	8	8	2	27	3	-	15	21	-
I42	Cardiomyopathy	9	-	2	35	15	6	217	31	1	145	106	2
I48-I49	Atrial fibrillation and flutter and other cardiac arrhythmias	18	1	-	23	8	12	50	13	2	33	24	3
I50	Heart failure	18	5	-	22	24	20	236	44	1	192	136	3
I50.0	Congestive heart failure	18	5	-	20	24	19	235	44	1	189	136	3
I27-I40, I44-I47, I51	All other forms of heart disease	13	2	-	50	28	13	240	25	2	138	104	2
I60-I69	Essential [primary] hypertension, hypertensive renal disease	11	-	-	23	6	7	178	18	1	117	68	1
I60-I69	Cerebrovascular diseases [Stroke]	105	7	4	198	130	88	1,373	186	11	916	837	23
I70-I78	Diseases of arteries, arterioles, and capillaries	18	1	1	42	30	16	321	22	3	195	167	7
I70	Atherosclerosis	4	-	-	20	12	4	147	5	1	92	63	2
I71	Aortic aneurysm and dissection	13	-	1	12	14	9	119	9	2	77	60	4
I72-I78	Other diseases of arteries, arterioles and capillaries	1	-	-	10	4	3	55	8	-	26	44	4
I80-I99	Other disorders of circulatory system	6	-	-	7	-	2	38	6	-	20	11	-
J00-J98	Diseases of the Respiratory System	140	11	3	219	137	104	1,578	209	25	1,351	1,008	29
J10-J18	Influenza and pneumonia	28	3	1	57	57	26	583	60	6	328	341	9
J20-J21	Acute bronchitis and bronchiolitis	-	-	-	-	-	2	-	-	1	1	-	-
J40-J47	Chronic lower respiratory diseases [CLRD]	97	8	1	120	69	66	869	116	16	920	544	14
J40-J42	Bronchitis, chronic and unspecified	-	-	-	3	-	-	5	1	-	15	2	-
J43	Emphysema	12	4	-	17	8	9	112	8	2	77	38	4
J44	Other chronic obstructive pulmonary disease [COPD]	76	4	1	97	58	55	721	102	13	805	481	10
J45-J46	Asthma	9	-	-	1	1	2	27	4	1	20	21	-
J47	Bronchiectasis	-	-	-	2	2	-	4	1	-	3	2	-
J60-J66, J68	Pneumonioses and chemical effects	4	-	-	-	-	1	3	-	-	3	3	-
J69	Pneumonitis due to solids and liquids	-	-	-	1	15	5	5	8	18	12	55	2
Remainder of J00-J98	Other diseases of the respiratory system	11	-	-	27	6	-	13	15	6	113	3	4

Table 5-22. Detailed Causes of Death, California Counties, 2002 (By Place of Residence) - Cont.

ICD-10 CODES	CAUSES OF DEATH	Merced	Mendocino	Monterey	Napa	Nevada	Orange	Placer	Plumas	Riverside	Sacramento	San Benito
K00-K92	Diseases of the Digestive System	74	9	2	78	54	32	612	72	5	426	359
K25-K28	Peptic ulcer	8	1	-	4	5	1	63	3	1	44	28
K35-K38	Diseases of appendix	1	-	-	1	1	-	7	-	6	-	-
K40-K46	Hernia	2	-	-	-	1	19	-	-	8	10	-
K50-K51	Crohn's disease and ulcerative colitis	-	-	-	-	-	-	-	-	3	5	-
K70, K73-K74	Chronic liver disease and cirrhosis	30	1	2	29	14	230	29	-	-	159	138
K70	Alcoholic liver disease	24	1	2	22	15	8	154	19	-	117	112
K73-K74	Other chronic liver disease and cirrhosis	6	-	-	7	11	6	76	10	-	42	26
K80-K82	Cholelithiasis and other disorders of gallbladder	6	1	-	1	3	1	27	4	-	20	17
K85, K86.0-K86.1	Pancreatitis	2	-	-	1	1	1	23	2	2	11	14
Remainder of K00-K92	All other diseases of the digestive system	25	6	-	42	18	14	236	34	2	175	147
L00-L98	Diseases of the Skin and Subcutaneous Tissue	2	-	-	2	-	-	3	1	-	8	10
L03	Cellulitis	1	-	-	1	-	-	1	-	-	5	3
L89	Decubitus ulcer	1	-	-	1	-	-	1	-	-	2	5
Remainder of L00-L98	All other diseases of the skin and subcutaneous tissue	-	-	-	-	-	-	-	-	1	2	-
M00-M99	Diseases of the Musculoskeletal System and Connective Tissue	9	-	-	13	9	4	91	10	1	70	46
M05-M13	Inflammatory polyarthropathies including rheumatoid arthritis	3	-	-	5	2	1	20	4	-	12	9
M32	Systemic lupus erythematosus	1	-	-	3	1	-	16	1	-	11	5
M34	Systemic sclerosis	1	-	-	-	-	-	11	1	-	9	-
M60-M79	Soft tissue disorders	1	1	-	3	-	-	13	-	-	10	5
M80-M81	Osteoporosis	1	-	-	1	-	-	8	1	-	3	1
M86	Osteomyelitis	1	-	-	-	2	-	9	1	-	3	1
Remainder of M00-M99	All other diseases of musculoskeletal system and connective tissue	1	-	-	5	-	3	14	2	-	22	14
N00-N98	Diseases of the Genitourinary System	15	1	1	37	12	18	265	35	4	237	173
N00-N07, N17-N19, N25-N27	Nephritis, nephrotic syndrome and nephrosis	6	1	-	24	5	8	134	8	3	133	50
N17-N19	Renal failure	5	1	-	22	3	7	121	8	3	130	46
N10-N12, N13.6, N15.1	Infections of kidney	-	-	1	-	-	-	11	1	-	3	3
N39.0	Urinary tract infection	5	-	1	11	6	9	94	24	1	80	108
N40	Hyperplasia of prostate	2	-	-	1	1	1	22	2	-	15	8
Remainder of N00-N98	All other diseases of the genitourinary system	2	-	-	-	-	-	-	-	-	-	-
O00-O99	Pregnancy, Childbirth, and the Puerperium	1	-	-	-	-	1	1	-	2	4	-
P00-P96	Certain Conditions Originating in the Perinatal Period	17	-	-	16	5	1	105	13	-	82	49
P01	Effect of maternal complications of pregnancy	2	-	-	1	1	-	4	-	-	3	4
P02	Complications of placenta, cord and membrane	4	-	-	1	-	-	7	1	-	7	7
P07	Disorders of short gestation and low birthweight	3	-	-	7	2	-	30	4	-	22	17
P20-P21	Intrauterine hypoxia and birth asphyxia	-	-	-	2	1	-	4	2	3	2	-
P22	Respiratory distress of newborn	2	-	-	1	-	-	12	-	-	2	3
P29	Cardiovascular disorders originating in perinatal period	-	-	-	-	-	-	22	1	-	19	2
P36	Bacterial sepsis of newborn	1	-	-	-	-	-	5	2	-	3	2
P50-P52, P54	Neonatal hemorrhage	1	-	-	-	-	-	4	-	3	1	1
Remainder of P00-P96	All other conditions originating in the perinatal period	3	-	-	4	-	1	17	3	-	20	11
Q00-Q99	Congenital Malformations and Chromosomal Abnormalities	11	-	-	22	5	-	102	6	-	62	63
Q00-07	Congenital malformation of the nervous system	2	-	-	1	1	-	11	1	-	5	4
Q20-Q28	Congenital malformations of the heart and circulatory system	5	-	-	6	1	-	38	3	-	24	26
Q30-34	Congenital malformations of the respiratory system	-	-	3	1	-	-	8	-	-	4	7
Q60-Q64	Congenital malformations of the urinary system	1	-	-	1	-	-	12	-	-	2	7
Q90	Down's syndrome	-	-	2	-	-	-	8	1	-	5	4
Q91	Edward's syndrome and Patau's syndrome	1	-	-	4	-	-	8	-	-	4	5
Remainder of Q00-Q99	All other congenital malformations and chromosomal abnormalities	2	-	-	5	2	-	17	1	-	18	10
R00-R99	Symptoms, Signs, Abnormal Clinical and Lab Findings	12	1	1	18	2	-	38	9	2	60	63
R95	Sudden infant death syndrome [SIDS]	1	1	-	1	5	-	3	2	1	5	15
Remainder of R00-R99	All other symptoms, signs, abnormal clinical and lab findings, and other ill-defined and unspecified causes of mortality	11	-	-	-	13	2	6	6	1	35	48

Table 5-22. Detailed Causes of Death, California Counties, 2002 (By Place of Residence) - Cont.

ICD-10 CODES	CAUSES OF DEATH	Mered	Modoc	Mono	Monterey	Napa	Nevada	Orange	Placer	Plumas	Riverside	Sacramento	San Benito
V01-Y89	External Causes of Death	128	10	7	189	55	85	988	128	17	865	673	20
V01-V99, W00-X59, Y85-Y86	Unintentional Injuries [Accidents]	90	10	6	126	39	58	622	80	11	576	406	16
V01-V99, Y85	Transport accidents and sequelae	57	7	2	66	13	18	228	40	6	311	191	11
See Footnote (g)	Motor vehicle accidents	54	6	1	60	13	18	212	36	5	292	173	11
Y85.0	Sequelae of motor vehicle accidents	-	1	-	-	-	-	6	1	-	6	2	-
See Footnote (h)	Other land, railway, and streetcar transport accidents	2	-	-	5	-	-	5	1	1	9	11	-
V90-V99, Y85.9	Water, air, space, other and unspecified transport accidents and sequelae	1	-	1	-	-	-	5	2	-	4	5	-
W00-X59, Y86	Non-transport accidents and sequelae	33	3	4	60	26	40	394	40	5	265	215	5
W00-W19	Falls	15	1	3	11	5	14	119	17	2	63	56	2
W32-W34	Accidental discharge of firearms	-	-	-	-	1	-	-	-	-	2	1	-
W65-W74	Accidental drowning and submersion	2	-	-	3	1	-	30	5	-	15	20	-
X00-X09	Accidental exposure to smoke, fire and flames	-	-	-	2	1	-	10	-	-	8	9	-
X40-X49	Accidental poisoning and exposure to noxious substances	9	2	-	30	12	18	168	8	1	124	96	2
Remainder of W00-X59, Y86	Other and unspecified nontransport accidents and sequelae	7	-	1	14	7	7	66	10	2	53	33	1
U03, X60-X84, Y87.0	Intentional Self-Harm [Suicide]	20	-	1	29	8	17	241	39	6	151	153	3
X60-X69	Suicide by poisoning	1	-	-	5	1	7	55	6	2	22	42	-
X70	Suicide by hanging, strangulation, and suffocation	4	-	-	8	2	1	56	8	-	34	39	2
X72-X74	Suicide by discharge of firearms	14	-	1	12	5	8	110	22	4	84	59	1
X80	Suicide by jumping from a high place	-	-	-	2	-	-	14	2	-	2	3	-
Remainder of	Suicide by other and unspecified means and sequelae	1	-	-	2	-	1	6	1	-	9	10	-
U01-U02, X85-Y09, Y87.1	Assault [Homicide]	15	-	-	28	3	4	93	1	-	115	80	1
X91	Homicide by hanging, strangulation, and suffocation	-	-	-	1	-	-	1	-	-	2	2	-
U014, X93-X95	Homicide by discharge of firearms	13	-	-	25	2	2	63	1	-	71	55	-
X99	Homicide by sharp object	-	-	-	3	-	1	12	-	-	18	9	-
Remainder of	Homicide by other and unspecified means and sequelae	2	-	-	-	-	1	17	-	-	24	14	1
Y10-Y84, Y87.2, Y88-Y89	Other External Causes of Death	3	-	-	6	5	6	32	8	-	23	34	-
Y10-Y34, Y87.2, Y89.9	Events of undetermined intent and sequelae	1	-	-	4	4	5	5	6	-	6	27	-
Y35, Y89.0	Legal intervention and sequelae	-	-	-	-	-	-	3	-	-	7	3	-
Y36, Y89.1	Operations of war and sequelae	-	-	-	-	-	-	-	-	-	-	-	-
Y40-Y84, Y88	Complications of medical and surgical care and sequelae	2	-	-	2	1	1	8	2	-	10	4	-

Table 5-22. Detailed Causes of Death, California Counties, 2002 (By Place of Residence) - Cont.

ICD-10 CODES	CAUSES OF DEATH	San Bernardino	San Diego	San Francisco	San Joaquin	San Luis Obispo	San Mateo	Santa Barbara	Santa Clara	Santa Cruz	Shasta	Sierra	40
A00-Y89	Total - All Causes	11,602	19,356	6,281	4,588	2,037	4,674	2,927	8,642	1,614	1,924		
A00-B99	Certain Infectious and Parasitic Diseases												
A01-A09	Intestinal infectious diseases	217	411	263	68	31	68	41	171	42	30	-	-
A16-A19	Tuberculosis	9	18	4	-	-	1	4	1	-	1	-	-
A39	Meningococcal infection	2	14	6	3	2	2	-	4	-	-	-	-
A40-A41	Septicemia	2	2	2	-	-	-	-	-	-	-	-	-
B15-B19	Viral hepatitis	67	99	23	21	8	12	9	52	14	14	-	-
B20-B24	Human immunodeficiency virus [HIV] disease	33	52	32	11	7	10	14	29	8	7	-	-
Remainder of A00-B99	Other and unspecified infectious diseases and sequelae	57	131	165	13	7	24	2	41	8	1	-	-
C00-C97	Malignant Neoplasms [Cancer]	2,503	4,584	1,418	1,045	496	1,227	672	2,131	381	447	11	
C00-C14	Cancers of lip, oral cavity, and pharynx	45	66	42	27	9	21	13	33	5	9	-	-
C15	Cancer of esophagus	54	105	36	26	12	24	17	35	5	12	1	
C16	Cancer of stomach	68	110	42	27	7	41	20	79	11	7	-	-
C18-C21	Cancer of colon, rectum and anus	259	431	150	85	45	133	57	214	35	31	-	-
C18	Cancer of colon	204	364	112	67	42	106	46	184	29	23	-	-
C22	Cancer of liver and intrahepatic bile ducts	76	138	94	32	13	32	20	98	7	9	2	
C25	Cancer of pancreas	146	277	71	56	29	63	47	129	27	14	-	-
C32	Cancer of larynx	22	25	6	5	1	8	1	6	1	3	-	-
C33-C34	Cancer of trachea, bronchus, and lung	657	1,148	324	312	142	307	167	491	100	145	3	
C43	Malignant melanoma of skin	43	93	21	16	15	23	11	28	11	7	1	
C45	Mesothelioma	10	29	2	6	-	7	3	6	3	1	-	-
C50	Cancer of breast [total male and female]	165	409	99	82	36	88	48	165	28	30	1	
C53	Cancer of cervix uteri	19	27	10	6	2	3	1	10	3	3	-	-
C54-C55	Cancer of corpus uteri and uterus, part unspecified	24	69	14	12	6	18	11	29	3	6	-	-
C56	Cancer of ovary	55	119	34	13	9	36	21	62	12	18	-	-
C61	Cancer of prostate	148	274	70	60	24	62	38	106	14	27	1	
C64-C65	Cancer of kidney and renal pelvis	62	81	28	23	7	25	12	40	9	8	-	-
C67	Cancer of bladder	70	99	42	17	12	27	19	55	11	16	1	
C70-C72	Cancer of meninges, brain, central nervous system	65	127	37	19	12	27	19	55	11	16	-	-
C81-C96	Cancer of lymphoid, hematopoietic, and related tissue	229	458	137	103	59	159	73	251	36	40	-	-
C81	Hodgkin's disease	5	10	2	1	-	4	3	6	3	3	-	-
C82-C85	Non-Hodgkin's lymphoma	84	173	59	51	20	80	37	105	17	15	-	-
C88-C90	Multiple myeloma and immunoproliferative neoplasms	92	184	52	31	26	49	26	90	10	16	-	-
C91-C95	Leukemia	48	91	24	20	13	26	7	50	6	9	-	-
Remainder of C00-C97	All other and unspecified malignant neoplasms [cancers]	286	499	159	118	56	123	77	248	48	46	1	
In Situ Neoplasms, Benign Neoplasms, Neoplasms of Uncertain or Unknown Behavior		57	95	46	28	17	21	17	57	15	11	-	-
D00-D48	In situ and benign neoplasms	4	17	10	4	2	-	4	6	-	-	-	-
D00-D09, D10-D36	Neoplasms of uncertain or unknown behavior	53	78	36	24	15	21	13	51	15	11	-	-
D50-D89	Diseases of Blood and Blood-Forming Organs and Certain Disorders of the Immune Mechanism	55	50	14	14	8	15	7	26	8	5	-	-
D50-D64	Anemias	19	19	5	7	4	6	2	11	1	1	-	-
D37-D48	All other coagulation defects, hemorrhagic conditions, diseases of blood and blood-forming organs, and disorders of the immune mechanism	36	31	9	7	4	9	5	15	7	4	-	-
E00-E88	Endocrine, Nutritional, and Metabolic Diseases	481	637	160	198	56	127	109	307	63	67	2	
E10-E14	Diabetes mellitus	366	475	126	163	42	100	87	226	37	44	2	
E40-E46	Nutritional deficiencies	9	7	5	5	2	2	1	7	4	1	-	-
E65-E68	Malnutrition	7	6	4	5	2	2	1	7	4	2	-	-
E84	Obesity and other hyperalimentation	38	49	8	5	-	2	2	14	2	2	-	-
Remainder of E00-E88	Cystic fibrosis	4	5	-	-	-	-	-	1	1	-	-	-
	All other endocrine, nutritional, and metabolic diseases	64	101	21	25	-	-	-	23	19	60	20	

Table 5-22. Detailed Causes of Death, California Counties, 2002 (By Place of Residence) - Cont

ICD-10 CODES	CAUSES OF DEATH	San Bernardino	San Diego	San Francisco	San Joaquin	San Luis Obispo	San Mateo	Santa Barbara	Santa Clara	Santa Cruz	Shasta	Sierra
F01-F99												
F01-F09	Mental and Behavioral Disorders	326	219	215	72	47	72	52	203	54	56	1
F01, F03	Organic, including symptomatic, mental disorders	140	49	101	27	25	51	36	149	28	46	1
F10-F19	Organic dementia	138	46	95	26	25	51	35	145	28	45	1
F10	Mental and behavioral disorders due to psychoactive substance use	179	120	111	42	16	19	10	49	25	8	-
F11-F16, F18-F19	Mental and behavioral disorders due to use of alcohol	98	102	75	22	12	14	10	38	11	6	-
Remainder of F01-F99	Mental and behavioral disorders due to use of drugs	80	15	34	20	2	4	-	10	11	1	-
G00-G98	All other mental and behavioral disorders	7	50	3	3	6	2	6	5	1	2	-
G00, G03		388	1,272	259	163	113	233	152	351	51	84	3
G20-G21	Diseases of the Nervous System	51	174	48	25	-	1	1	2	1	-	-
G30	Meningitis	212	909	135	95	72	151	91	196	59	8	16
G35	Parkinson's disease	16	30	7	3	-	7	6	14	29	42	1
Remainder of G00-G98	Alzheimer's disease	106	149	67	40	24	36	27	80	11	2	-
H00-H93	All other diseases of the nervous system	2	1	1	1	-	-	-	-	-	-	-
I00-I99	Diseases of the Eye and Adnexa, and Ear and Mastoid Process	4,488	7,412	2,468	1,801	765	1,770	1,149	3,336	616	685	7
I00-I78	Major Cardiovascular Diseases	4,456	7,349	2,456	1,796	762	1,756	1,140	3,313	615	681	7
I00-I09, I11, I13, I20-I51	Diseases of the Heart	3,470	5,314	1,742	1,319	541	1,227	840	2,392	472	505	5
I00-I09	Acute rheumatic fever, chronic rheumatic heart diseases	14	39	14	12	5	11	9	21	5	5	-
I11	Hypertensive heart disease	307	244	268	68	49	75	91	163	20	9	-
I13	Hypertensive heart and renal disease	15	34	15	6	2	4	5	28	4	1	-
I20-I25	Ischemic heart disease	2,633	4,003	1,186	1,008	366	881	568	1,669	291	353	2
I20, I24	Angina pectoris and other acute ischemic heart diseases	4	5	-	4	2	5	1	3	-	2	-
I21-I22	Acute and subsequent myocardial infarction	705	1,333	392	284	94	358	136	474	88	153	1
I25	Chronic ischemic heart disease	1,924	2,665	794	720	270	518	431	1,192	203	198	1
I25.0	Atherosclerotic cardiovascular disease, so described	477	482	323	105	41	82	117	261	52	25	1
I25.1	Atherosclerotic heart disease	1,320	1,961	412	585	187	405	253	864	140	159	-
I25.2-I25.9	All other forms of chronic ischemic heart disease	127	222	59	30	42	31	61	67	11	14	-
I26	Other heart diseases	501	994	259	225	119	256	167	511	152	137	3
I42	Pulmonary embolism	18	21	5	16	3	16	7	10	5	7	-
I48-I49	Cardiomyopathy	135	210	73	58	21	78	39	107	28	20	-
I50	Atrial fibrillation and flutter and other cardiac arrhythmias	51	117	22	8	16	5	21	45	24	19	1
I50.0	Heart failure	161	334	63	68	46	68	42	184	57	46	1
I50.1	Congestive heart failure	157	333	63	68	45	68	41	181	56	44	1
I50.2	All other forms of heart disease	136	312	96	75	33	89	58	165	38	45	1
I70-I78	Essential [primary] hypertension, hypertensive renal disease	140	220	47	36	15	42	19	97	19	13	-
I60-I69	Cerebrovascular diseases [Stroke]	699	1,459	566	383	169	428	243	700	103	137	2
I70-I78	Diseases of arteries, arterioles, and capillaries	147	356	101	58	37	59	38	124	21	26	-
I70	Atherosclerosis	63	111	42	21	15	24	15	46	8	12	-
I71	Aortic aneurysm and dissection	34	77	33	11	11	16	11	23	2	4	-
I72-I78	Other diseases of arteries, arterioles and capillaries	32	63	12	5	3	14	9	23	1	4	-
I80-I99	Other disorders of circulatory system											
J00-J98	Diseases of the Respiratory System	1,187	1,905	632	447	238	565	317	924	151	213	4
J10-J18	Influenza and pneumonia	328	585	301	103	42	232	97	345	42	53	1
J20-J21	Acute bronchitis and bronchiolitis	-	1	-	-	-	-	1	-	-	-	-
J40-J47	Chronic lower respiratory diseases [CLRD]	767	1,006	285	282	148	256	156	428	92	127	1
J40-J42	Bronchitis, chronic and unspecified	7	2	2	3	1	4	1	1	4	20	-
J43	Emphysema	77	107	24	33	24	36	20	64	22	66	1
J44	Other chronic obstructive pulmonary disease [COPD]	650	856	233	230	117	202	131	339	66	97	1
J45-J46	Asthma	30	32	23	13	5	11	5	19	2	6	-
J47	Bronchiectasis	3	9	3	3	1	3	5	1	1	-	-
J60-J66, J68	Pneumoconioses and chemical effects	2	9	1	1	2	2	2	41	29	72	-
J69	Pneumonitis due to solids and liquids	15	156	7	19	19	41	32	77	9	16	-
Remainder of J00-J98	Other diseases of the respiratory system	75	148	38	42	28	34	8	17	2	-	-

Table 5-22. Detailed Causes of Death, California Counties, 2002 (By Place of Residence) - Cont.

ICD-10 CODES	CAUSES OF DEATH	San Bernardino	San Diego	San Francisco	San Joaquin	San Luis Obispo	San Mateo	Santa Barbara	Santa Clara	Santa Cruz	Shasta	Sierra
K00-K92	Diseases of the Digestive System	485	752	223	177	76	177	103	308	62	84	3
K25-K28	Peptic ulcer	35	54	24	17	-	15	6	15	3	5	-
K35-K38	Diseases of appendix	4	4	-	-	1	1	4	-	-	-	-
K40-K46	Hemia	10	14	7	2	1	6	4	3	-	3	-
K50-K51	Crohn's disease and ulcerative colitis	2	10	1	1	3	2	1	2	1	-	-
K70, K73-K74	Chronic liver disease and cirrhosis	236	296	74	70	28	66	30	130	27	27	2
K70	Alcoholic liver disease	137	214	53	32	18	36	20	74	21	16	2
K73-K74	Other chronic liver disease and cirrhosis	99	82	21	38	10	30	10	56	6	11	-
K80-K82	Cholelithiasis and other disorders of gallbladder	16	32	14	3	1	11	6	10	3	6	-
K85, K86.0-K86.1	Pancreatitis	13	30	6	11	1	3	6	13	-	3	-
Remainder of K00-K52	All other diseases of the digestive system	169	312	97	73	42	74	49	131	28	40	1
L00-L98	Diseases of the Skin and Subcutaneous Tissue	8	17	17	9	3	9	9	17	2	9	-
L03	Cellulitis	-	10	4	3	1	3	6	6	-	5	-
L89	Decubitus ulcer	6	4	4	5	2	4	2	9	1	2	-
Remainder of L00-L98	All other diseases of the skin and subcutaneous tissue	2	3	9	1	-	2	1	2	1	2	-
M00-M99	Diseases of the Musculoskeletal System and Connective Tissue	75	131	31	29	14	27	23	49	11	17	2
M05-M13	Inflammatory polyarthropathies including rheumatoid arthritis	18	21	5	2	3	4	3	11	2	4	2
M32	Systemic lupus erythematosus	13	8	3	4	-	4	2	2	1	-	-
M34	Systemic sclerosis	1	10	4	2	1	3	5	2	-	1	-
M60-M79	Soft tissue disorders	11	12	3	3	2	6	1	7	2	2	-
M80-M81	Osteoporosis	4	30	9	5	2	-	4	11	3	2	-
M86	Osteomyelitis	6	9	3	1	2	3	-	2	1	1	-
Remainder of M00-M99	All other diseases of musculoskeletal system and connective tissue	22	41	4	12	4	7	8	14	1	6	-
N00-N98	Diseases of the Genitourinary System	240	106	49	20	94	20	94	65	133	34	32
N00-N07, N17-N19, N25-N27	Nephritis, nephrotic syndrome and nephrosis	144	124	49	32	9	29	31	66	23	19	-
N17-N19	Renal failure	140	117	42	30	8	23	30	61	23	-	-
N10-N12, N13.6, N15.1	Infections of kidney	1	15	3	1	2	2	5	4	2	-	-
N39.0	Urinary tract infection	80	94	46	9	8	5	21	51	7	12	2
N40	Hyperplasia of prostate	8	8	2	1	-	-	4	1	1	-	-
Remainder of N00-N98	All other diseases of the genitourinary system	7	20	6	6	1	12	8	8	1	1	-
O00-O99	Pregnancy, Childbirth, and the Puerperium	5	3	1	-	-	-	-	-	-	-	-
P00-P96	Certain Conditions Originating in the Perinatal Period	106	89	23	39	2	21	9	45	5	6	-
P01	Effect of maternal complications of pregnancy	15	7	2	6	-	3	-	8	1	-	-
P02	Complications of placenta, cord and membrane	3	8	-	1	1	1	2	2	-	-	-
P07	Disorders of short gestation and low birthweight	40	24	10	8	-	7	2	18	1	2	-
P20-P21	Intrauterine hypoxia and birth asphyxia	3	6	-	2	5	-	4	1	1	-	-
P22	Respiratory distress of newborn	3	2	-	3	-	1	1	1	1	-	-
P29	Cardiovascular disorders originating in perinatal period	21	12	2	5	-	1	1	2	1	-	-
P36	Bacterial sepsis of newborn	1	4	-	1	-	-	1	1	1	-	-
P50-P52, P54	Neonatal hemorrhage	2	3	-	-	-	-	-	1	1	-	-
Remainder of P00-P96	All other conditions originating in the perinatal period	18	23	9	13	1	5	1	11	3	-	-
Q00-Q99	Congenital Malformations and Chromosomal Abnormalities	91	121	21	32	8	14	17	48	7	5	-
Q00-007	Congenital malformation of the nervous system	8	12	1	8	1	2	5	8	2	-	-
Q20-Q28	Congenital malformations of the heart and circulatory system	39	63	8	9	3	3	6	17	2	-	-
Q30-34	Congenital malformations of the respiratory system	7	8	-	2	2	-	1	1	1	-	-
Q60-Q64	Congenital malformations of the urinary system	8	8	2	2	-	1	5	-	-	-	-
Q90	Down's syndrome	5	5	5	-	3	-	1	5	-	1	-
Q91	Edward's syndrome and Patau's syndrome	7	5	-	3	-	-	1	5	2	3	-
Remainder of Q00-Q99	All other congenital malformations and chromosomal abnormalities	17	20	5	8	2	4	2	8	2	2	-
R00-R99	Symptoms, Signs, Abnormal Clinical and Lab Findings	77	169	15	18	7	8	35	12	16	2	-
R95	Sudden infant death syndrome [SIDS]	13	23	2	5	-	1	4	1	4	-	2
Remainder of R00-R99	All other symptoms, signs, abnormal clinical and lab findings, and other ill-defined and unspecified causes of mortality	64	146	13	13	7	7	31	11	12	12	2

Table 5-22. Detailed Causes of Death, California Counties, 2002 (By Place of Residence) - Cont.

ICD-10 CODES		CAUSES OF DEATH													
V01-Y89		External Causes of Death													
V01-Y99, W00-X59, Y85-Y86 V01-Y99, Y85 See Footnote (g) Y85.0 See Footnote (h) V90-Y99, Y85.9		Unintentional Injuries [Accidents] Transport accidents and sequelae Motor vehicle accidents Sequelae of motor vehicle accidents Other land, railway, and streetcar transport accidents Water, air, space, other and unspecified transport accidents and sequelae		811	1,227	368	398	136	226	177	501	100	157	3	
W00-X59, Y86 W00-W19 W32-W34 W65-W74 X00-X09 X40-X49 Remainder of W00-X59, Y86		Non-transport accidents and sequelae Falls Accidental discharge of firearms Accidental drowning and submersion Accidental exposure to smoke, fire and flames Accidental poisoning and exposure to noxious substances Other and unspecified nontransport accidents and sequelae		469	790	227	254	94	155	118	306	61	103	2	
X03, X60-X84, Y87.0 X60-X69 X70 X72-X74 X80 Remainder of X60-X84, Y87.0		Intentional Self-Harm [Suicide] Suicide by poisoning Suicide by hanging, strangulation, and suffocation Suicide by discharge of firearms Suicide by jumping from a high place Suicide by other and unspecified means and sequelae		180	446	165	118	56	93	81	174	34	58	1	
U01-U02, X85-Y09, Y87.1 X91 U01.4, X93-X95 X99 Remainder of		Assault [Homicide] Homicide by hanging, strangulation, and suffocation Homicide by discharge of firearms Homicide by sharp object Homicide by other and unspecified means and sequelae		154	96	51	54	4	22	7	38	4	9	-	
Y10-Y84, Y87.2, Y88-Y89 Y10-Y34, Y87.2, Y89.9 Y35, Y89.0 Y36, Y89.1 Y40-Y84, Y88 10		Other External Causes of Death Events of undetermined intent and sequelae Legal intervention and sequelae Operations of war and sequelae Communications of medical and surgical care and sequelae		28	33	9	29	2	8	8	26	4	7	1	

Table 5-22. Detailed Causes of Death, California Counties, 2002 (By Place of Residence) - Cont.

ICD-10 CODES	CAUSES OF DEATH	Siskiyou	Solano	Sonoma	Stanislaus	Sutter	Tehama	Trinity	Tulare	Tuolumne	Ventura	Yolo	Yuba
A00-Y89	Total - All Causes	492	2,633	3,864	3,727	709	598	143	2,699	609	4,818	1,130	529
A00-B99	Certain Infectious and Parasitic Diseases	17	56	68	79	12	8	1	75	18	77	17	7
A01-A09	Intestinal infectious diseases	2	1	3	-	2	-	-	1	1	8	-	-
A16-A19	Tuberculosis	2	-	-	3	2	-	-	1	-	1	1	-
A39	Meningococcal infection	-	-	-	1	-	-	-	-	-	-	-	-
A40-A41	Septicemia	4	10	23	17	2	1	-	40	7	15	5	2
B15-B19	Viral hepatitis	1	11	11	32	5	2	1	13	5	16	4	4
B20-B24	Human immunodeficiency virus [HIV] disease	4	20	17	9	-	-	-	6	-	17	4	-
Remainder of A00-B99	Other and unspecified infectious diseases and sequelae	4	14	14	17	3	4	-	15	5	20	3	1
C00-C97	Malignant Neoplasms [Cancer]	102	640	929	787	171	148	31	542	167	1,206	241	133
C00-C14	Cancers of lip, oral cavity, and pharynx	2	10	18	13	3	-	-	1	9	3	4	2
C15	Cancer of esophagus	1	15	21	22	8	3	2	19	3	26	7	2
C16	Cancer of stomach	-	14	20	15	4	6	-	15	1	33	5	-
C18-C21	Cancer of colon, rectum and anus	10	61	105	98	12	11	2	49	15	111	24	12
C18	Cancer of colon	9	53	89	74	9	10	-	40	11	93	19	11
C22	Cancer of liver and intrahepatic bile ducts	-	22	27	26	5	3	1	21	7	30	16	5
C25	Cancer of pancreas	4	41	55	33	13	7	2	41	10	76	9	4
C32	Cancer of larynx	4	4	7	4	-	-	2	5	1	6	2	1
C33-C34	Cancer of trachea, bronchus, and lung	34	174	259	229	40	56	10	136	44	281	62	48
C43	Malignant melanoma of skin	2	4	18	8	-	-	-	6	3	24	4	1
C45	Mesothelioma	-	2	3	1	-	-	-	1	9	-	-	-
C50	Cancer of breast [total male and female]	9	48	63	63	14	10	1	44	11	93	11	6
C53	Cancer of cervix uteri	2	2	3	7	2	1	2	-	6	2	10	4
C54-C55	Cancer of corpus uteri and uterus, part unspecified	2	9	15	7	2	2	2	-	7	3	14	2
C56	Cancer of ovary	2	16	26	22	8	7	1	14	6	34	6	3
C61	Cancer of prostate	6	30	51	30	11	1	-	30	7	62	13	10
C64-C65	Cancer of kidney and renal pelvis	4	12	20	20	3	4	-	16	3	32	7	2
C67	Cancer of bladder	1	17	18	13	2	2	2	-	11	6	32	11
C70-C72	Cancer of meninges, brain, central nervous system	3	18	26	22	7	1	-	5	5	39	8	3
C81-C96	Cancer of lymphoid, hematopoietic, and related tissue	10	74	81	73	17	13	3	47	17	135	21	12
C81	Hodgkin's disease	-	2	1	2	-	-	2	1	4	-	2	-
C82-C85	Non-Hodgkin's lymphoma	5	30	20	30	8	5	1	19	2	53	9	5
C88-C90	Multiple myeloma and immunoproliferative neoplasms	4	23	40	33	5	6	-	16	10	55	7	3
C91-C95	Leukemia	1	19	20	8	4	2	2	10	4	23	5	2
Remainder of C00-C97	All other and unspecified malignant neoplasms [cancers]	6	66	89	86	21	14	5	61	19	150	28	18
D00-D48	In Situ Neoplasms, Benign Neoplasms, Neoplasms of Uncertain or Unknown Behavior	3	19	19	14	2	4	-	17	6	33	6	2
D00-D09, D10-D36	In situ and benign neoplasms	-	2	1	3	-	1	-	1	-	6	-	1
D37-D48	Neoplasms of uncertain or unknown behavior	3	17	18	11	2	3	-	16	6	27	6	1
D50-D89	Diseases of Blood and Blood-Forming Organs and Certain Disorders of the Immune Mechanism	3	10	12	9	1	1	1	1	9	1	13	3
D50-D64	Anemias	1	2	5	5	1	-	-	1	7	-	2	2
D65-D89	All other coagulation defects, hemorrhagic conditions, diseases of blood and blood-forming organs, and disorders of the immune mechanism	2	8	7	4	-	1	1	2	1	-	1	-
E00-E88	Endocrine, Nutritional, and Metabolic Diseases	19	98	128	143	27	19	4	140	15	209	37	20
E10-E14	Diabetes mellitus	13	79	89	117	13	3	3	168	13	32	13	13
E40-E64	Nutritional deficiencies	1	2	5	7	4	1	-	13	1	3	1	1
E40-E46	Malnutrition	1	2	4	7	4	1	-	13	-	2	1	1
E65-E68	Obesity and other hyperalimentation	1	4	7	3	1	-	-	5	3	3	2	2
E84	Cystic fibrosis	-	1	2	1	2	1	-	1	1	-	1	-
Remainder of E00-E88	All other endocrine, nutritional, and metabolic diseases	4	12	25	15	5	5	1	1	6	26	2	4

Table 5-22. Detailed Causes of Death, California Counties, 2002 (By Place of Residence) - Cont.

ICD-10 CODES	CAUSES OF DEATH	Siskiyou	Solano	Sonoma	Stanislaus	Sutter	Tehama	Trinity	Tulare	Tuolumne	Ventura	Yolo	Yuba
F01-F59	Mental and Behavioral Disorders	9	41	66	50	3	9	6	45	15	124	24	8
F01-F09	Organic, including symptomatic, mental disorders	5	30	43	35	3	9	4	26	13	94	14	8
F01, F03	Organic dementia	5	28	42	34	2	9	4	24	13	89	14	7
F10-F19	Mental and behavioral disorders due to psychoactive substance use	4	9	11	14	-	1	1	12	1	21	5	-
F10	Mental and behavioral disorders due to use of alcohol	1	5	8	9	-	-	-	5	-	16	3	-
F11-F16, F18-F19	Mental and behavioral disorders due to use of drugs	2	2	2	4	-	-	-	5	1	4	2	-
Remainder of F01-F99	All other mental and behavioral disorders	-	2	12	1	-	-	1	7	1	9	2	-
G00-G98	Diseases of the Nervous System	19	122	184	122	21	22	5	67	25	197	76	8
G00, G03	Meningitis	-	1	1	2	-	-	1	-	1	2	-	-
G20-G21	Parkinson's disease	3	19	31	14	3	5	-	13	5	50	13	2
G30	Alzheimer's disease	10	70	120	77	7	11	4	20	14	99	44	4
G35	Multiple Sclerosis	-	3	3	-	1	-	4	-	8	3	-	-
Remainder of G00-G98	All other diseases of the nervous system	6	29	29	29	10	6	1	29	6	39	14	2
H00-H93	Diseases of the Eye and Adnexa, and Ear and Mastoid Process	-	-	-	-	-	-	-	-	-	-	-	-
100-199	Diseases of the Circulatory System	186	976	1,489	1,522	270	218	51	1,036	222	1,754	398	187
100-178	Major Cardiovascular Diseases	186	976	1,481	1,519	267	218	51	1,030	220	1,739	397	186
100-109, 111, 113, 120-151	Diseases of the Heart	137	672	1,038	1,208	201	163	35	746	168	1,301	257	145
100-109	Acute rheumatic fever, chronic rheumatic heart diseases	2	7	11	9	1	-	-	4	1	16	1	1
I11	Hypertensive heart disease	5	40	48	111	13	4	-	46	6	47	17	6
I13	Hypertensive heart and renal disease	-	3	11	8	1	-	-	9	1	6	1	1
I20-I25	Ischemic heart disease	101	477	738	899	145	118	22	504	123	992	185	102
I20, I24	Angina pectoris and other acute ischemic heart diseases	-	1	2	3	1	-	-	4	-	3	1	-
I21-I22	Acute and subsequent myocardial infarction	43	206	217	297	41	50	9	195	57	363	59	45
I25	Chronic ischemic heart disease	58	270	519	599	103	68	13	305	66	626	125	57
I25.0	Atherosclerotic cardiovascular disease, so described	2	29	123	133	23	12	1	24	5	85	16	6
I25.1	Atherosclerotic heart disease	47	226	356	441	76	53	11	266	58	385	102	46
I25.2-I25.9	All other forms of chronic ischemic heart disease	9	15	40	25	4	3	1	15	3	156	7	5
I26-I51	Other heart diseases	29	145	230	181	41	41	13	183	37	240	53	35
I26	Pulmonary embolism	1	13	14	10	4	2	2	5	4	14	1	6
I42	Cardiomyopathy	7	41	64	51	14	9	2	35	8	47	12	6
I48-I49	Atrial fibrillation and flutter and other cardia arrhythmias	2	9	28	17	6	3	-	25	3	46	3	5
I50	Heart failure	11	41	45	58	7	10	7	67	17	56	24	11
I50.0	Congestive heart failure	11	41	45	57	6	10	7	65	17	54	24	10
I27-I40, I44-I47, I51	All other forms of heart disease	8	41	79	45	10	17	2	51	5	77	13	7
I10-I12	Essential [primary] hypertension, hypertensive renal disease	5	21	27	26	4	2	1	28	5	40	12	2
I60-I69	Cerebrovascular diseases [Stroke]	37	238	324	236	44	45	9	202	42	323	91	33
I70-I78	Diseases of arteries, arterioles, and capillaries	7	45	92	49	18	8	6	54	5	75	37	6
I70	Atherosclerosis	2	10	42	6	11	6	1	26	-	33	22	3
I71	Aortic aneurysm and dissection	5	26	30	29	5	2	3	15	3	28	13	2
I72-I78	Other diseases of arteries, arterioles and capillaries	-	9	20	14	2	2	13	2	14	2	1	-
I80-I99	Other disorders of circulatory system	-	8	3	3	-	-	6	2	15	1	1	-
J00-J98	Diseases of the Respiratory System	50	266	420	355	90	74	13	264	57	500	152	71
J10-J18	Influenza and pneumonia	17	100	127	147	24	23	1	74	10	145	61	15
J20-J21	Acute bronchitis and bronchiolitis	-	-	-	-	1	-	-	-	-	-	-	-
J40-J47	Chronic lower respiratory diseases [CLRD]	27	138	213	212	52	38	10	153	37	263	77	49
J40-J42	Bronchitis, chronic and unspecified	-	1	2	-	-	-	-	1	-	2	-	-
J43	Emphysema	1	14	41	28	10	5	3	20	3	30	10	8
J44	Other chronic obstructive pulmonary disease [COPD]	24	118	159	175	40	30	7	123	31	218	64	39
J45-J46	Asthma	1	3	9	8	2	3	2	9	2	10	3	2
J47	Bronchiectasis	1	2	2	1	-	-	-	1	3	-	-	-
J60-J66, J68	Pneumonioses and chemical effects	1	1	-	-	-	-	-	1	1	1	-	-
J69	Pneumonitis due to solids and liquids	1	3	37	18	5	7	-	8	1	38	9	1
Remainder of J00-J98	Other diseases of the respiratory system	4	40	25	40	8	8	2	29	8	53	6	5

Table 5-22. Detailed Causes of Death, California Counties, 2002 (By Place of Residence) - Cont.

ICD-10 CODES	CAUSES OF DEATH	Siskiyou	Solano	Sonoma	Stanislaus	Sutter	Tehama	Trinity	Tulare	Tuolumne	Ventura	Yolo	Yuba
K00-K92	Diseases of the Digestive System	28	109	149	134	26	32	7	113	23	195	47	19
K25-K28	Peptic ulcer	-	3	8	9	2	-	-	6	3	16	2	1
K35-K38	Diseases of appendix	-	1	1	1	-	-	-	1	2	-	-	-
K40-K46	Hernia	-	1	-	6	-	-	-	4	1	1	1	1
K50-K51	Crohn's disease and ulcerative colitis	-	1	2	3	1	-	-	3	-	3	-	-
K70, K73-K74	Chronic liver disease and cirrhosis	8	48	42	55	9	5	46	8	57	17	9	-
K70	Alcoholic liver disease	4	29	30	40	4	6	23	6	30	9	5	-
K73-K74	Other chronic liver disease and cirrhosis	4	19	12	15	5	3	1	23	2	27	8	4
K80-K82	Cholelithiasis and other disorders of gallbladder	1	1	4	5	1	2	-	5	1	10	6	1
K85, K86.0-K86.1	Pancreatitis	1	5	9	1	2	4	-	5	1	7	4	1
K86.8	All other diseases of the digestive system	17	49	83	54	11	17	2	48	9	96	17	6
L00-L98	Diseases of the Skin and Subcutaneous Tissue	2	3	6	6	1	-	1	4	-	10	3	-
L03	Cellulitis	-	2	1	1	2	-	-	1	1	-	3	-
L89	Decubitus ulcer	2	-	4	3	-	-	-	3	-	3	1	-
Remainder of L00-L98	All other diseases of the skin and subcutaneous tissue	-	1	1	2	-	-	-	1	-	3	1	-
M00-M99	Diseases of the Musculoskeletal System and Connective Tissue	2	12	29	27	4	3	-	14	5	24	9	2
M05-M13	Inflammatory polyarthropathies including rheumatoid arthritis	1	2	5	5	2	-	-	2	-	5	1	-
M32	Systemic lupus erythematosus	-	2	2	1	1	-	-	1	-	1	2	-
M34	Systemic sclerosis	-	2	1	6	-	-	-	1	2	5	1	1
M60-M79	Soft tissue disorders	-	-	2	4	-	-	-	1	1	4	-	1
M80-M81	Osteoporosis	1	-	8	6	1	-	-	3	1	1	2	-
M86	Osteomyelitis	-	3	2	2	1	-	-	2	-	3	-	-
Remainder of M00-M99	All other diseases of musculoskeletal system and connective tissue	-	3	9	3	-	-	-	5	1	5	3	-
N00-N98	Diseases of the Genitourinary System	13	54	62	65	8	6	7	75	5	99	26	5
N00-N07, N17-N19, N25-N27	Nephritis, nephrotic syndrome and nephrosis	8	23	28	19	3	5	4	52	3	60	12	2
N17-N19	Renal failure	8	22	26	19	3	5	4	52	3	57	10	2
N10-N12, N13.6, N15.1	Infections of kidney	-	1	-	3	-	-	-	1	-	1	-	-
N39.0	Urinary tract infection	3	25	28	35	1	1	2	16	2	25	12	2
N40	Hyperplasia of prostate	1	2	1	2	1	-	-	3	-	1	1	-
Remainder of N00-N98	All other diseases of the genitourinary system	1	3	5	6	3	-	-	1	-	12	1	1
O00-O99	Pregnancy, Childbirth, and the Puerperium	-	1	1	-	-	-	-	1	1	-	1	-
P00-P96	Certain Conditions Originating in the Perinatal Period	-	23	10	35	1	2	-	21	-	38	7	2
P01	Effect of maternal complications of pregnancy	1	-	4	-	-	-	-	1	-	3	1	-
P02	Complications of placenta, cord and membrane	-	-	4	4	-	-	-	2	-	3	-	-
P07	Disorders of short gestation and low birthweight	7	2	12	-	1	-	-	3	-	10	1	1
P20-P21	Intrauterine hypoxia and birth asphyxia	1	1	-	-	-	-	-	1	-	1	-	-
P22	Respiratory distress of newborn	2	-	-	-	-	-	-	4	-	1	-	-
P29	Cardiovascular disorders originating in perinatal period	5	-	3	-	-	-	-	1	-	6	2	-
P36	Bacterial sepsis of newborn	-	-	3	-	-	-	-	1	-	2	-	-
P50-P52, P54	Neonatal hemorrhage	-	2	-	-	-	-	-	2	-	-	-	-
Remainder of P00-P96	All other conditions originating in the perinatal period	7	5	9	1	-	-	-	5	-	12	3	1
Q00-Q99	Congenital Malformations and Chromosomal Abnormalities	17	14	21	3	-	-	-	1	18	1	28	1
Q00-Q07	Congenital malformation of the nervous system	3	1	3	-	-	-	-	1	-	3	1	-
Q20-Q28	Congenital malformations of the heart and circulatory system	4	4	7	3	-	-	-	1	6	-	14	-
Q30-34	Congenital malformations of the respiratory system	3	-	1	-	-	-	-	3	-	2	-	-
Q60-Q64	Congenital malformations of the urinary system	2	1	-	-	-	-	-	1	-	3	-	-
Q90	Down's syndrome	-	1	1	1	-	-	-	1	-	4	-	-
Q91	Edward's syndrome and Patau's syndrome	-	1	2	2	-	-	-	1	-	1	-	-
Remainder of Q00-Q99	All other congenital malformations and chromosomal abnormalities	-	4	5	7	-	-	-	3	-	5	-	-
R00-R99	Symptoms, Signs, Abnormal Clinical and Lab Findings	5	17	18	9	5	8	3	10	2	19	4	14
R95	Sudden infant death syndrome [SIDS]	-	8	4	2	-	-	-	4	-	2	-	1
Remainder of R00-R99	All other symptoms, signs, abnormal clinical and lab findings, and other ill-defined and unspecified causes of mortality	5	9	14	7	6	3	6	2	17	4	13	4

Table 5-22. Detailed Causes of Death, California Counties, 2002 (By Place of Residence) - Cont.

ICD-10 CODES	CAUSES OF DEATH	Siskiyou	Solano	Sonoma	Stanislaus	Sutter	Tehama	Trinity	Tulare	Tuolumne	Ventura	Yolo	Yuba
V01-Y89	External Causes of Death	34	169	260	309	64	44	12	248	46	292	81	46
V01-V99, W00-X59, Y85-Y86	Unintentional Injuries [Accidents]	20	101	168	238	42	33	11	184	30	194	57	35
V01-V99, Y85	Transport accidents and sequelae	6	53	60	120	23	16	6	95	14	76	18	21
See Footnote (g)	Motor vehicle accidents	6	52	58	108	23	14	6	87	14	67	16	20
Y85.0	Sequelae of motor vehicle accidents	-	-	-	1	1	-	-	-	-	1	1	-
See Footnote (h)	Other land, railway, and streetcar transport accidents	-	1	1	8	-	-	-	4	-	2	1	-
V90-V99, Y85.9	Water, air, space, other and unspecified transport accidents and sequelae	-	-	3	-	2	-	4	-	4	-	6	-
W00-X59, Y86	Non-transport accidents and sequelae	14	48	108	118	19	17	5	89	16	118	39	14
W00-W19	Falls	1	11	30	26	3	5	3	13	2	26	13	1
W32-W34	Accidental discharge of firearms	-	-	1	-	1	-	3	-	10	-	1	-
W65-W74	Accidental drowning and submersion	1	5	7	8	2	1	-	1	-	1	3	5
X00-X09	Accidental exposure to smoke, fire and flames	-	1	5	2	-	1	1	7	2	4	1	1
X40-X49	Accidental poisoning and exposure to noxious substances	5	17	51	66	8	5	-	24	8	62	14	1
Remainder of W00-X59, Y86	Other and unspecified nontransport accidents and sequelae	7	14	14	15	6	4	1	32	4	24	7	6
U03, X60-X84, Y87.0	Intentional Self-Harm [Suicide]	9	39	58	44	11	9	1	30	11	65	16	8
X60-X69	Suicide by poisoning	1	10	12	8	-	2	-	2	2	11	2	1
X70	Suicide by hanging, strangulation, and suffocation	-	4	9	13	4	2	-	7	2	15	3	1
X72-X74	Suicide by discharge of firearms	8	22	32	18	7	5	1	19	7	34	6	6
X80	Suicide by jumping from a high place	-	1	-	3	-	-	-	1	-	2	2	-
Remainder of X60-X84, Y87.0	Suicide by other and unspecified means and sequelae	-	2	5	2	-	-	-	1	-	3	3	-
U01-U02, X85-Y09, Y87.1	Assault [Homicide]	4	26	19	20	7	1	-	29	2	23	4	3
X91	Homicide by hanging, strangulation, and suffocation	1	2	-	1	-	-	1	-	-	-	-	-
U01.4, X93-X95	Homicide by discharge of firearms	2	16	11	12	7	1	-	18	2	12	4	1
X99	Homicide by sharp object	1	2	4	1	-	-	4	-	6	-	6	-
Remainder of U01-U02,	Homicide by other and unspecified means and sequelae	-	6	4	6	-	-	6	-	5	-	5	-
Y10-Y84, Y87.2, Y88-Y89	Other External Causes of Death	1	3	15	7	4	1	-	5	3	10	4	-
Y10-Y34, Y87.2, Y88.9	Events of undetermined intent and sequelae	1	1	8	6	2	-	-	3	1	3	2	-
Y35, Y89.0	Legal intervention and sequelae	-	1	-	1	-	-	-	-	-	1	-	-
Y36, Y89.1	Operations of war and sequelae	-	-	-	-	-	-	-	-	-	-	-	-
Y40-Y84, Y88	Complications of medical and surgical care and sequelae	-	1	7	-	2	1	-	2	2	6	2	-

- Represents zero events.

Note: Rates are per 100,000 total population, unless otherwise specified as below. California total population for 2002 was 35,802,238.

a: Rates are not calculated for residual causes or for 10 events or less.

b: There were 38 male breast cancer deaths in 2002. These male deaths are included in the number and rates shown on this table, though the rates are calculated using only the female population.

c: Gender specific rates are per 100,000 male or female population. California male and female population projections for 2002 were 17,984,195 and 17,818,043 respectively.

d: Rate is less than 0.05.

e: Maternal death rates are per 10,000 live births. Total live births for California in 2002 were 529,245.

f: Infant death rates are calculated per 1,000 live births.

g: ICD-10 Codes for Motor Vehicle Accidents are: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2.

h: ICD-10 Codes for Other Land, Railway, and Streetcar Transport Accidents are: V01, V05-V06, V09.1, V09.3, V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9.

Source: State of California, Department of Health Services, Death Records
State of California, Department of Finance, 2002 Population: 1997-2040 Population Projections with Age, Sex and Race/Ethnic Detail, December 1998.

NOTES

6. SOURCES, QUALITY, AND LIMITATIONS OF DATA

	Page
<u>VITAL STATISTICS REGISTRATION</u>	
History of Vital Statistics Registration	194
Registration Systems at Present.....	194
Live Birth, Death, and Fetal Death Registration.....	194
Marriage and Marriage Dissolution Registration	195
<u>SOURCES AND QUALITY OF VITAL STATISTICS DATA</u>	
Births, Deaths, and Fetal Deaths	196
Residence and Occurrence.....	196
Completeness of Data.....	196
California Birth Cohort File	197
Life Tables.....	198
Quality Control Procedures	198
Population	199
<u>LIMITATIONS OF DATA</u>	
Variability of Rates	199
Sampling Error and Vital Statistics.....	200
Age-Adjusted Death Rates.....	201
Age.....	201
Race and Ethnicity	201
Break in Trends	202
Underreporting of Multiple Races.....	203
Census Data	203
Heterogeneity of Race/Ethnicity Categories.....	203
Tabulation Categories of Race and Race/Ethnicity in this Report.....	203
Cause of Death	204
Length of Gestation.....	205
Marital Status	205
Time Periods and Geographic Bases	206
Confidentiality.....	206

VITAL STATISTICS REGISTRATION

History of Vital Statistics Registration

Less than a decade after the formation of California State Government in 1850, a law was enacted requiring the state to register vital events. The law was repealed in 1860, and vital events were then registered by local offices and were incomplete. Effective statewide coordination of the registration of births, deaths, and marriages began in California in 1905 when the Bureau of Vital Statistics was established. Statewide registration and reporting of births, deaths, and marriages has continued without interruption since that date. California was admitted to the United States Death Registration Area in 1906, to the Birth Registration Area in 1919, to the Marriage Registration Area in 1957, and to the Divorce Registration Area in 1968.

In 1962 a statewide reporting system for divorces and annulments was established. Because the report of final decree contained very few items of information, only a limited index and simple counts by county were available. A more extensive divorce reporting system went into effect in 1966, requiring initial complaints and final decrees to be reported. The Family Law Act of 1969, implemented January 1, 1970, removed adversarial proceedings, changed the name of the decrees of marital dissolution, and reduced the waiting period from initial filing to final decree. In 1978, the Legislature sharply reduced the scope of California's marriage dissolution reporting system and, in that same year, California was dropped from the U.S. Divorce Registration Area. Since 1978, county clerks report to the State Registrar only type of final decree, county case number, spouses' names, and date decree granted.

From 1905 through 1939, a stillbirth required filing both a birth and a death certificate. The birth certificate contained an item requiring the attendant at birth to indicate whether or not the child was born alive. Processing of these birth certificates for stillbirths was exactly the same as for certificates of live births, except that they were excluded from the live birth tabulations. Beginning in 1940, stillbirths were registered on a Certificate of Stillbirth, which was changed to a Certificate of Fetal Death in 1952.

Registration Systems at Present

In California, the registration of vital events is uniformly governed by statutory provisions set forth in Division 102 of the California Health and Safety Code. Forms, standards, and guidelines are provided by the Office of Vital Records, State Department of Health Services. (See "*The Vital Statistics System in California*", inside front cover, for further functional definitions.)

Live Birth, Death, and Fetal Death Registration

Births, deaths, and fetal deaths are registered with the local registrar in the county or registration jurisdiction where the event took place. Registration forms are furnished by the Office of Vital Records. Local registrars prepare and maintain copies of original certificates; original certificates are then mailed to the State Registrar, indexed, and filed as permanent records.

The Health and Safety Code states that the health officer of any approved local health department is the local registrar for all registration districts in the health jurisdiction and shall perform all the duties of local registrar of births and deaths. In other areas, the State Registrar appoints a local registrar of births and deaths for each registration district.

Each live birth must be registered with the local registrar within ten days following the birth. For births occurring in a hospital, the hospital administrator or designee is responsible for registering the birth. For out-of-hospital births, the physician or other person in attendance is responsible for the registration; if no attendant is present, one of the parents must complete the registration (Health and Safety Code, Division 102, Chapter 3, Article 1).

Each fetal death in which the fetus has advanced to or beyond the 20th week of gestation must be registered with the local registrar within eight days following delivery, prior to any disposition of the fetus (Health and Safety Code, Division 102, Chapter 7, Article 1). It is the responsibility of the attending physician or the coroner to certify the cause of death. It is the responsibility of the funeral director, or other authorized person, to obtain all information other than that in the medical and health section, and to register the certificate.

Each death must be registered with the local registrar within eight days after the death occurs, prior to any disposition of the human remains. The persons charged with this responsibility are the funeral director, or other authorized person, and the physician in attendance or the coroner (Health and Safety Code, Division 102, Chapter 6, Article 1).

It is the responsibility of the physician last in attendance to complete the medical and health section of the death certificate, including the cause of death. However, in the event that no physician was in attendance within 20 days of the death, or the physician is unable to state the cause of death, the death becomes a coroner's case. In all cases where suicide or homicide is suspected, or where there was an accident or injury, it is the coroner's duty to investigate the death.

Marriage and Marriage Dissolution Registration

There are five types of marriage licenses which may be issued in California: "Public License" (Family Code Section 359), "Confidential" (Family Code Section 500), "Denominations Not Having Clergy" (Family Code Section 307), "Declaration of Marriage" (Family Code Section 425), and "Court Order Delayed (COD) Certificate of Marriage" (Health and Safety Code Section 103450). All marriage licenses, except the COD, are a three-part form. The forms are furnished by the Office of Vital Records to the county clerks responsible for issuing them. The original portion becomes the marriage certificate after the ceremony has been solemnized.

"Public" and "Denominations Not Having Clergy" licenses may be used anywhere in the State of California, while a ceremony performed based upon the issuance of a "Confidential" license may only be performed in the county in which the license was issued. Each marriage must be registered with the local registrar by the person performing the ceremony within ten days after the solemnization (Family Code Sections 423 and 506). The county recorder is the local registrar of regular marriages and is responsible for transmitting the Certificate of Registry of Marriage to the Office of Vital Records. The county clerk is the local registrar of confidential marriages and is responsible for transmitting a copy of the Certificate of Confidential Marriage to the Office of Vital Records. Unlike records of public marriage, records of confidential marriages are not open to public inspection in the local registrar's office or the Office of Vital Records, except upon order of the Superior Court.

Certificates of Final Decree of Dissolution of Marriage, Judgment of Nullity, or Legal Separation are transmitted to the Office of Vital Records by the county clerk of the county in which the decree was granted.

This report does not include information from the registry of marriage and marriage dissolutions granted.

SOURCES AND QUALITY OF VITAL STATISTICS DATA

Vital statistics records of the State Department of Health Services are the source of data presented in this report. These records include certificates of live birth, death, and fetal death. On the last page of this report is a table which outlines legislatively mandated details of the registration process. Chapter 8, Appendix of Sources, includes sample facsimiles of birth, death, and fetal death certificates.

Births, Deaths, and Fetal Deaths

Birth data are obtained through an electronic registration process wherein birth certificates are generated from data entered into the Automated Vital Statistics System (AVSS) at the birth hospital or office of the local registrar. The electronic data are transmitted from the local registry to the state where they are checked, further edited, and modified. A few birthing hospitals utilize alternative electronic systems, but the data are imported into AVSS from these systems.

Selected fields from the paper death certificate are key entered into the death database at the State, where the data are edited. Underlying cause of death is derived from the cause of death text entries on the death certificate. Beginning in 1996, the Office of Vital Records utilized SuperMICAR, a software product developed by the National Center for Health Statistics, for determining and electronically coding the underlying cause of death. This software system integrates and replaces the prior coding system, which was a combination manual and automated processing system.

Information from fetal death certificates is also key entered by the State into an electronic database for analysis.

"Residence" and "Occurrence"

In this report, events that occurred out of state to California residents or out of the county of residence are included in the state and/or county of residence in tables subtitled "by place of residence." Tables in this report subtitled "by place of occurrence" include events that occurred in the specified geographic area, irrespective of the place of residence. These tables include events to non-California residents.

Mortality and natality data have been tabulated primarily by place of residence since 1945; in all years since then, except 1947, some reallocated certificates have been included in California residence data. Some certificates of live birth, death, and fetal death that occurred out of California to California residents, or which occurred in California to out-of-state residents were reallocated to the state of residence. This was made possible by a cooperative program among the states to exchange copies of certificates for nonresident events. Since vital event information was not received from all states, out-of-state occurrences are incomplete to a small but unknown extent.

Completeness of Data

California birth registration is considered to be complete for births occurring in California. An extensive study of the completeness of birth registration was conducted by the Bureau of the Census.¹ It found that during a five-year period in the United States, birth registration was 99.3 percent complete. There is some omission of out-of-state births to California residents, but the effect of this problem is small and has improved over the years, accounting for 0.13 percent in 2000, 0.9 percent in 2001, and dropping to 0.022 percent of the total number of births in 2002.

¹ U.S. Department of Commerce, Bureau of the Census, **Test of Birth Registration Completeness, 1964-1968**, PHC (E) – 2, 1973.

Death registration is considered to be almost 100 percent complete because a death certificate must be filed before a burial or disposition permit is issued. Some under-registration may occur for deaths of children under one year of age and particularly to children dying in the first day of life. Some deaths that occurred outside of California to California residents are not included.

Though no thorough study of the completeness of California's fetal death registration has been conducted recently, it appears that the legally mandated death registration of fetuses that have advanced to or beyond the 20th week of gestation is not complete. The extent and consistency of such non-reporting is unknown at this time.

Reallocated events are included in the vital statistics data files to the extent that they are received in a timely manner and in a useable format. Occasionally counties on the California border may experience large numbers of out-of-state events, which may affect their statistics. Some reallocation records for births and deaths that occurred out of state to California residents may be received late or may be in a non-compatible electronic format. This could result in a small undercount of vital events for California residents in this report. In addition, a small number of vital events are registered after the cutoff date for creation of the annual birth, death, and fetal death statistical files. These late registrations are not included in this report.

California Birth Cohort File

In population research, a cohort is a group of individuals who have experienced the same significant demographic event during a specific period of time (usually a year), and who may be identified as a group at successive later dates by this common demographic experience. Cohort studies enable accurate descriptions of changes occurring in a specific group of individuals over time. The most common and important cohort is a birth cohort, persons born during the same year or years.

Since 1965, the Department of Health Services has linked California's live birth and infant death records on computer tapes to create the California Birth Cohort File. Each cohort consists of records of live births and fetal deaths registered in a calendar year. The death records of infants who die within the first year of life (including those who die in the calendar year following their birth year) are matched and linked to their respective live birth records in the California Birth Cohort File. The preparation of birth cohort files also includes resolution of registration anomalies, for example when an infant death was registered but no birth certificate was filed. This results in counts and rates that differ slightly from those based on the standard birth and death data files.

Rates computed from this birth cohort file are a direct measure of infant loss because they represent the mortality experience of a cohort of infants from birth to one year of age. The Birth Cohort File may be used to compute fetal, neonatal, perinatal, postneonatal, and infant mortality rates for a number of characteristics of the mother and child that are only available on the birth and fetal death certificates, such as age of mother, birth order, place of delivery, trimester prenatal care began, birthweight, gestational age, and race/ethnicity of the parents.

Studies have shown that the designation of race/ethnicity on the birth certificate is more accurate than on the death certificate.^{2,3} The Birth Cohort File enables more accurate race-specific death rates, since race for both the numerator and the denominator of rates is taken from the birth certificate information and utilizes the race/ethnicity of mother. Utilization of the Birth Cohort File is primarily limited by the delay required to link birth and death records and to follow back to hospitals and local

² Norris, Frank D. and Paul W. Shipley, "A Closer Look at Race Differentials in California's Infant Mortality, 1965-67", *Health Services and Mental Health Administration Health Reports*, Vol. 86, No. 9: 810-814, September 1971.

³ Frost, F. and Shy, K.K.: "Racial Differences Between Linked Birth and Death Records in Washington State", *American Journal of Public Health*, Vol. 70, No. 9: 974-976, September 1980.

registration districts regarding questionable linkages. For this reason, the 2001 Birth Cohort File was used for this report.

The 1998 Birth Cohort File was not prepared, resulting in a gap in trend lines in certain tables utilizing these files. Tables in Chapter 4 (Infant Mortality) are based either on the Birth Cohort File or on the Death Statistical Master File. The source of the data is noted on each table.

Life Tables

A life table is a statistical mechanism to summarize mortality experiences and provide estimates of longevity. There are two primary types of life tables: the generation or cohort life table and the current or cross-sectional life table.

The generation life table provides a longitudinal perspective and involves the mortality experience of a group or cohort of individuals who were born during the same time period. This type of life table best reflects changing environmental conditions, but is not often employed due to the practical constraints of gathering mortality data over many years.

A current life table describes the mortality forces on a population at a specific point in time. The current life table considers mortality for a hypothetical cohort and assumes that the hypothetical cohort is subject to the forces of mortality present in the year the table is constructed. This type of table demonstrates the long-range implications of currently prevailing age-specific death rates.

Life tables may also be distinguished according to the length of the age intervals used in constructing the tables. When the life table is constructed using every single year of age from birth to the last applicable age, the table is referred to as a complete life table. An abridged life table, on the other hand, is constructed using broader age intervals, generally five years. The methodology used in constructing life tables is more fully described in a report that was published by and is available from this office.⁴ The standard life table methodology was employed utilizing Chiang's formulas and the "fraction of last year of life" adjustments in calculating the probability of death.⁵

Table 1-14, presented in this report, is derived from abridged life tables for males and females for selected years. Detailed California abridged life table reports for 2002 and earlier years are available from this office or on our website (www.dhs.ca.gov/hisp/chs/OHIR/Publication/publicationindex.htm).

Quality Control Procedures

Field validations, range edits, and cross-edits on birth data are performed during the electronic birth registration process. Additional electronic edits are performed during processing of the birth, death, and fetal death statistical files. Duplicate records are eliminated. Additionally, vital statistics files are reviewed for systematic changes in the proportion of responses in all key data fields.

The National Center for Health Statistics performs an independent evaluation of selected certificate information by reviewing a sample of birth and death records to identify random errors. Error rates in the aggregate are less than two percent and identified errors are corrected.

⁴ Oreglia, Anthony, "Methodology for Constructing Abridged Life Tables for California for 1977", Data Matters, 81-01021, California Department of Health Services, January 1981.

⁵ Chiang, Chin Long, Life Table and Mortality Analysis, World Health Organization, 1978.

Population

Vital statistics provide better measures of health status when they are related to the characteristics of the population at risk. Because human populations vary in size and composition, and the number of vital events that occurs depends on both of these population factors, rates or ratios are used to make accurate comparisons between subgroups. They also control for population variability by showing the number of events per unit of population (or other standard denominator).

The population data used as denominators for calculating rates are prepared by the Demographic Research Unit of the California Department of Finance (DOF). These data include resident military and civilian populations as of July 1 for each year. This report used 1970-1996 population estimates released in January 1998; 1997-2040 population projections released in December 1998; 1997 population estimates released in June 1999; 1998 population estimates released in May 2000; and Intercensal Estimates of the Population of California for the State and Counties released in January 2002. Note that "estimates" supercede "projections" as more current data becomes available. See notes on each table for exact source of population data used in that table.

Since 2000 census-based California population figures adjusted for the census undercount were not available at the time of preparation of this report,⁶ 2000 population projections based on the 1990 census were utilized wherever possible in this report. Other rates have been omitted from this report. Of particular difficulty was obtaining race-specific population data in the same race/ethnic categories as are used in 2002 vital statistics data in this report. See the section on Race/Ethnicity.

LIMITATIONS OF DATA

Data limitations must be recognized by users to avoid invalid interpretations. For vital statistics data, these limitations are related to the difficulties in reporting and classifying information and to some under-registration of events. It is especially necessary to exercise caution when evaluating vital statistics trend data, because medical concepts, legal codes, definitions concerning vital statistics events, estimates of the population, race, and methods of assigning causes of death change over time.

Variability of Rates

Vital statistics rates are sensitive to variations in the size of both the numerator (the number of vital events that occurred) and the denominator (the estimated population at risk). For example, in small counties a variation of only a few cases in the numerator can cause a relatively large shift in a rate, while in a large county it may cause no change at all. Likewise, a minor revision in the estimate of the population in a small county may cause a relatively major change in a vital rate in that county.

Rates and ratios based on the number of births instead of the population (for example the infant death rate, which is calculated with the number of births as the denominator) are also subject to variability caused by changes in the size of estimated denominators. In small counties these rates are just as sensitive to small shifts in the numerator as are rates based on the population, since few births occur in counties with small populations, and the denominator is correspondingly small. The user is cautioned that rates, ratios, or percents based on fewer than 20 observations may be unreliable and are usually subject to significant variability from one year to the next.

⁶ Governor's Budget Summary 2002-03, Demographic Outlook:
www.dof.ca.gov/HTML/Budget01-02/Demography-T.htm

On many of the tables in this report, rates or percents which are based on small numbers, typically five or fewer events in the numerator and/or a denominator under 1,000, have been omitted from the tables to avoid erroneous conclusions. Please refer to each table's footnotes for methodological details.

Sampling Error and Vital Statistics

The numbers of births and deaths reported for an area in California represent essentially complete counts; as such, they are not subject to sampling error, although they are subject to errors in the registration process. However, when the figures are used for analytic purposes, such as comparison of rates over a time period or for different areas, the number of events that actually occurred may be considered as one of a larger series of possible results that could have arisen under the same circumstances.⁷ The probable range of values may be estimated from the actual figures according to certain statistical assumptions. The problem of random variation of rates is well presented in the Technical Appendix to "*The Vital Statistics of the United States, 1978, Volume I, Natality*" and is repeated here:

"In general, distributions of vital events may be assumed to follow the binomial distribution. Estimates of standard error and tests of significance under this assumption are described in most standard statistics texts. When the number of events is large, the standard error, expressed as a percent of the number or rate, is usually small.

"When the number of events is small (perhaps less than 100) and the probability of such an event is small, considerable caution must be observed in interpreting the conditions described by the figures. Events of rare nature may be assumed to follow a Poisson probability distribution. For this distribution, a simple approximation may be used to estimate the error as follows:

"If N is the number of births and R is the corresponding rate, the chances are 19 in 20 that:

1. The 'true' number of events lies between:

$$N - 2\sqrt{N} \quad \text{and} \quad N + 2\sqrt{N}$$

2. The 'true' rate lies between

$$R - 2\frac{R}{\sqrt{N}} \quad \text{and} \quad R + 2\frac{R}{\sqrt{N}}$$

"If the rate R corresponding to N events is compared with the rate S corresponding to M events, the difference between the two rates may be regarded as statistically significant if it exceeds:

$$2\sqrt{\frac{R^2}{N} + \frac{S^2}{M}}$$

⁷ National Office of Vital Statistics: "Standard Error of the Age-Adjusted Death Rate" by C.L. Chiang, *Vital Statistics – Special Reports*, Vol. 47, No. 9, Public Health Service, Washington, DC, August 1961.

"For example, suppose that the observed birth rate for Area A was 15.0 per 1,000 population and that this rate was based on 20 recorded births. Given prevailing conditions, the chances are 19 in 20 that the 'true' or underlying birth rate for that area lies between 8.3 and 21.7 per 1,000 population. Let it be further supposed that the birth rate for Area A of 15.0 per 1,000 population was being compared with a rate of 20.0 per 1,000 population for Area B which is based on 10 recorded births. While the difference between the rates for the two areas is 5.0, this difference is less than twice the standard error of the difference of the two rates which is computed to be 14.3.

$$2 \sqrt{\frac{(15.0)^2}{20} + \frac{(20.0)^2}{10}}$$

From this, it is concluded that the difference between the rates for the two areas is not statistically significant."⁸

Age-Adjusted Death Rates

Age-adjusted death rates are used to make comparisons of relative mortality risk across groups and over time. These rates show the expected mortality if the age distribution of populations were the same. Age-adjusted death rates are better indicators than crude death rates for showing changes in the risk of death over a period of time when the age distribution of the population is changing and between different population groups. However age-adjusted rates are index numbers and cannot be compared to crude or other actual rates.

The age-adjusted rates in this report were calculated using the direct method and the year 2000 U.S. standard population.⁹ Age-adjusted rates in this report are not comparable with rates adjusted to the 1940 U.S. standard population.

Age

The death certificate contains both the age and the date of birth of the decedent. For computer tabulations, the age at death is generated from the difference between the date of birth and the date of death. For infants living less than 24 hours and for other deaths where date of birth is not reported, the stated age is accepted.

Race and Ethnicity

Since 1979, information on the race and ethnicity of the father and mother has been reported voluntarily on the birth certificates. This information was mandatory prior to 1979. Information on race/ethnicity and Hispanic origin is provided during the completion of the certificate, usually by a parent. In the case of death certificates, information may be provided by any of a number of informants, from the next-of-kin or friend to the funeral director. Underreporting for deaths may occur for some race/ethnicity groups, e.g., American Indians, some Asian groups, and Hispanics.

⁸ National Center for Health Statistics: Vital Statistics of the United States, 1978, Vol. 1, DHHS Pub. No. (PHS) 82-1100, Public Health Services, Washington, DC, 1982.

⁹ National Center for Health Statistics, National Vital Statistics Reports: Age Standardization of Death Rates: Implementation of the Year 2000 Standard, Vol.47, No.3, October 1998.

Note: Reliability of mortality data among American Indians, some Asian groups and Hispanics may be questionable due to possible misreporting of race and ethnicity among these groups. It has also been suggested that age-specific mortality from chronic diseases may be underestimated among Hispanics, reflecting possible lack of reporting of death when individuals choose to leave their jurisdiction of residence after onset of illness, but before death. These data should therefore be interpreted with caution.

Race/ethnicity and Hispanic origin are collected as separate items. (See Figure 8-I: Race Identification Work Sheet for the format in which data are ideally obtained from birth and death certificate informants.) Twenty race/ethnicity categories are specified, with opportunities for other or more specific write-in entries. Hispanic origin is a separate and independent item. Therefore, a person may be Hispanic and also be a member of any race category. For example, a mother may classify herself as White or as any other race on her child's birth certificate, and she may also report herself as being of Hispanic origin. Birth tabulations by race/ethnicity and race (as described on the following page and in Chapter 2) are by race/ethnicity or race of mother.

Beginning in 2000, parents and informants were permitted to select up to three races for birth and death certificates, respectively. The worksheet (Figure 8-I) was modified to include this instruction. Also in 2000, the U.S. decennial census permitted respondents to mark "one or more races" for each household member. These changes were in compliance with the Office of Management and Budget's revised race/ethnicity guidelines¹⁰ and were intended to provide numerator (vital statistics) and denominator (population) data in the same categories of race/ethnicity. In addition to permitting selection of multiple races, revised standards provided for expanded minimum reporting categories and some changes in terminology. Additional, more current implementation guidelines are also available.¹¹

Although the new multiple race guidelines permit vital statistics and other important data systems to more accurately collect and tabulate the race(s) with which people identify themselves, several difficulties have occurred as a result of this change.

Break in Trends

Race/ethnicity tabulations that include "multiple race" categories are not compatible with or easily comparable to data in the old, single race format. "Two or more races" as presented in this report is a race/ethnicity category that is comprised of all subjects who reported any two or three races and who, therefore, are no longer categorized in single race categories as in prior years. This produces a break in the trend for all the race categories in which these multiple race respondents were formerly classified. This break in the trend is more substantial for smaller race/ethnic groups.

It is theoretically possible to statistically remove the effects of this change in data collection methodology by using bridging techniques. The goal of bridging is to correctly (statistically speaking) assign all persons who reported multiple races to appropriate single race categories. The effects of various bridging techniques on California birth outcome data have been studied, and the findings include the conclusion that large race/ethnic groups are not significantly affected by the selection of specific bridging techniques, but smaller groups (such as American Indians) are more substantially affected. For the purposes of this report, we have chosen not to attempt any bridging of

¹⁰ Office of Management and Budget. "Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity" www.whitehouse.gov/omb/fedreg/ombdir15.html

¹¹ OMB. "Provisional Guidance on the Implementation of the 1997 Standards for Federal Data on Race and Ethnicity" www.whitehouse.gov/omb/inforeg/statpolicy.html

race/ethnicity. Trends by race/ethnicity are broken and, therefore, all race-specific trend tables have been removed.

Underreporting of Multiple Races

There is some indication that underreporting is occurring of multiple race identification of parents on birth certificates and, to an even greater extent, of decedents on death certificates. Collection of racial self-identification is, of course, impossible with regard to decedents, and race data in general can be problematic to collect for death certificates. Racial self-identification of parents also may be modified by birth data collection methodologies of birthing hospitals. Hopefully, as knowledge of the ability to report multiple races on vital certificates becomes more widespread, completeness of these data will improve.

Census Data

Since undercount adjusted census data for California was not available in time for preparation of this report, race-specific rates for the State as a whole or for counties are not presented here. In order for rates to be valid, the numerators and denominators of the rates must be defined in the same way. Adjusted Census 2000 data will be available for the next publication of the Vital Statistics of California and this report will again include race-specific rates.

Heterogeneity of Race/Ethnicity Categories

Although collection of multiple races more adequately honors the true diversity of the California population, presentation of data in the "Two or more races" category is problematic. Since it includes all respondents who reported any two races, it is a very heterogeneous category of limited use for public health purposes. Some recent work examines the substantial differences in birth outcomes among mothers of various two-race categories.¹² Other race categories are also heterogeneous; for example, U.S. vs. foreign-born residents of the same race may experience very different patterns of birth outcomes or mortality. For many purposes, more detailed analysis of health outcomes by specific multiple race combinations, by Asian sub-groups, by Hispanic places of origin, by place of birth, and by other factors would be of great interest and utility.

Tabulation Categories of Race and Race/Ethnicity in this Report

Most tables in this report which present tabulations by "race/ethnicity" utilize seven mutually exclusive race/ethnicity and Hispanic origin categories. These categories, which comply with the OMB minimum categories, are: Hispanic; and the following non-Hispanic groups: Two or More Races, American Indian (includes Alaskan Native), Asian, Black, Pacific Islander (includes Hawaiian), White/Other, and Unknown. In some tables, Pacific Islander and/or American Indian may be included in the Total Race category, but not reported separately, due to the small numbers of events. Similarly, "Unknown" may be combined with "White/Other" if it is not presented separately. Refer to each table's footnotes for clarification.

In order to develop these mutually exclusive race/ethnicity categories, all persons of Hispanic origin are assigned to the "Hispanic" category. Persons of any race or races may be included in this category. Persons who are not of Hispanic origin, or for whom Hispanic origin is unknown, are assigned to one of the other (non-Hispanic) categories if race/ethnicity is known. Persons for whom neither race/ethnicity nor Hispanic origin information is available are classified as "Unknown." This methodology results, for example, in a person who is American Indian and also Hispanic being

¹² Heck KE, Parker JD, McKendry CJ, Schoendorf KC. Multiple-race mothers on the California birth certificate, 2000. *Ethnicity and Disease* 2001; 11(3): 626-632.

categorized as Hispanic, while a person who is American Indian and not Hispanic will be categorized as American Indian.

Tables identified by "race" rather than "race/ethnicity" in the title present births and deaths distributed in the following 21 categories: Two or More Race Groups, American Indian, Black, Cambodian, Chinese, Eskimo/Aleut, Filipino, Guamanian, Hawaiian, Hmong, Indian (India), Japanese, Korean, Laotian, Samoan, Thai, Vietnamese, White/Other, Other Asian, Other Pacific Islander, and Not Stated. These categories do not take into account Hispanic origin. Population-based rates have historically not been provided for these categories because population data have not been available.

The category "Two or More Races," whether it is in a table by "race/ethnicity" or by "race," is comprised of records for which two of the OMB minimum categories of race were reported: Asian, American Indian or Alaska Native, Black or African American, Pacific Islander, or White/Other. Persons who, for example, reported two Asian sub-groups such as "Filipino" and "Chinese" would be reported as "Asian" in the tables by "race/ethnicity." In the detailed tables by "race" this hypothetical person would be reported in the Asian race category that was listed first on the birth or death certificate.

Please refer to the tables of contents at the beginning of each chapter or to the Table Guides at the end of the narratives in Chapter 2 and Chapter 5 to locate tables with race or race/ethnicity data.

Cause of Death

One of the most important uses of vital statistics data is the study of trends in the number and rate of deaths by cause of death. Vital statistics trend research yields valuable information on the health status of the population that contributes to the evaluation and monitoring of health and medical programs. More importantly, studies of cause-of-death trends help identify emerging public health problems and at risk populations so that strategies can be developed and appropriate resources focused and applied to improve public health.

The interpretation of vital statistics trend data, however, is complicated by technical difficulties that limit the comparability of data over time. Changes in the method of assigning or coding causes of death are perhaps the greatest concern.

Cause-of-death statistics are derived from the medical information reported on the death or fetal death certificate by the attending or certifying physician or coroner. The medical portion of the death and fetal death certificates makes provision for reporting four causes of death (immediate, intervening, and underlying) plus additional information related to contributing causes of death. The cause of death selected for coding and tabulation in this report is the "underlying cause of death." This is generally defined as the disease or injury that initiated the sequence of morbid events leading directly to death.

In this report, deaths by cause are presented in several levels of detail. The table called "Detailed Causes of Death" lists twenty-two major categories of underlying causes of death (ICD-10) along with subcategories and presents the number of deaths for California and by county of residence. Tables called Major Causes of Death are a subset of the Detailed Causes of Death table and show nineteen major causes of death by sex and race/ethnic group. The "Leading Causes of Death" tables are ranked according to the frequency of deaths within groups such as sex, age, or race. The "Selected Detail" table is a subset of the "Leading Causes of Death" and shows the number of deaths for the subgroups of cancer, heart disease, accidents, suicide, and homicide by race/ethnic group and sex. Some causes of death tables in this report include a pound sign (#). This symbol indicates the causes of death that are eligible to be ranked as leading causes of death for the specified population and infant/fetal groups according to the NCHS Instruction Manual Part 9, ICD-10 Cause-of-Death Lists for Tabulating Mortality Statistics.

This report presents data for the last four years (1999 - 2002) coded according to the *International Classification of Diseases, Tenth Revision (ICD-10)*, and the *Instruction Manual, Part 9, ICD-10 Cause-of-Death Lists for Tabulating Mortality Statistics, Effective 1999*.¹³ For the years 1979-1998, the causes of death were coded using the International Classification of Diseases, Ninth Revision (ICD-9).

Under ICD-10, this coding system has increased from under 4,000 codes to approximately 8,000 codes, changing groupings of causes and some titles, as well as coding rules. Therefore the comparability of causes of death between ICD-9 and ICD-10 must be considered when attempting analysis of trends for specific causes of death. To assist in the analysis of trends, the number of deaths, death rates, and age-adjusted death rates (adjusted to the year 2000 standard million) for 1990-1998 coded under ICD-9 were provided in tables in Chapter 7 of Vital Statistics of California, 1999. This report is available at: www.dhs.ca.gov/hisp/chs/OHIR/Publication/publicationindex.htm or from the address on the order form at the back of this report.

Since its inception in 1898, the classification of diseases has been revised approximately every ten years. Each of the decennial revisions has produced some break in the comparability of cause-of-death statistics. These discontinuities have complicated the interpretation of trends in cause-of-death statistics over time. The National Center for Health Statistics has prepared comparability ratios between the *Ninth* and the *Tenth Revisions* for deaths in the United States as a whole. These comparability ratios for the transition from ICD-9 to ICD-10 are available on the NCHS Web page (www.cdc.gov/nchs/). These ratios are based on 1996 death data that was double-coded under ICD-9 and ICD-10. These comparability ratios should be used with caution, especially at state and smaller geographic levels.

Length of Gestation

Length of gestation is calculated for live births and fetal deaths by subtracting the date the last normal menses began from the date of birth after first converting to days. The accuracy of this calculation is contingent upon the mother's recall of her last menstrual period. If only the month and year are given, 15 is used as the day for purposes of this calculation. If a date is not reported, no calculation is made.

Marital Status

Beginning in 1997, two new pieces of California legislation affected the collection of mother's marital status in conjunction with registration of births. The first law, Assembly Bill 2680, required marital status to be collected electronically through the Automated Vital Statistics System (AVSS). Mothers were asked directly whether they were married to the child's father at any time during the pregnancy. The second law, Assembly Bill 1832, stipulated that if the parents are not married to each other, the father's name would not be listed on the birth certificate unless the father and the mother sign a voluntary declaration of paternity.

Prior to 1997, for the years 1966-1996, mother's marital status was determined in California by an inferential methodology based primarily on comparison of the surnames of the mother, father, child, and informant as listed on the birth certificate. This inferential methodology itself was revised between 1994 and 1995 to better reflect surname practices among some mothers, primarily those of Hispanic origin.

While the inferred marital status methodology resulted in no missing values in the marital status field, the 1997 "real" marital status field included 16,712 births where the marital status of the mother was unknown. This number was 285 in 2002. For purposes of this report, births with unknown marital

¹³ See www.cdc.gov/nchs/about/major/dvs/im.htm for the most recent revision of the Instruction Manual, Part 9.

status were excluded in the denominator when marital and nonmarital births as a percent of all births were calculated.

Since it is extremely difficult to distinguish between real changes in data on nonmarital births and changes due to methodological inconsistencies in determination of mothers' marital status, data on trends in nonmarital births should be interpreted with caution. For further information on these methodologies and resultant changes in data, please contact the Vital Statistics Section of California Department of Health Services, Center for Health Statistics.

Time Periods and Geographic Bases

Prior to 1947, births and deaths were tabulated by year of registration. In 1947, births were tabulated by year of occurrence, while deaths were tabulated by year of registration. Since 1948, births, deaths, fetal deaths, marriages, and marriage dissolutions have been tabulated by the calendar year in which the event occurred. From 1949 through 1967, deaths in hospitals, sanitariums, and all other institutions were allocated to the previous residence regardless of the decedent's length of stay in the institution. Since 1968, deaths occurring in hospitals, sanitariums, and other resident institutions have been allocated to the last previous residence, unless the decedent resided in the institution for at least one year. All deaths in penal institutions and mental hospitals are allocated to the previous place of residence regardless of the length of stay in the institution.

Confidentiality

The California vital statistics data are available to the public through an extensive set of public use CD-ROM and mainframe data files. These data are released in a manner that does not compromise the confidentiality guaranteed to the respondents who supplied the original data. The *Catalog of Data Products and Publications* provides information for ordering vital statistics data files.

This catalog is available on the Center for Health Statistics website at:

www.dhs.ca.gov/hisp/chs/OHIR/Publication/publicationindex.htm

or at the address on the Publications Order Form at the back of this report.

7. STATISTICAL APPENDIX

	Page
DEFINITIONS	208
RATES AND RATIOS	210

DEFINITIONS

The following is a glossary of technical terms used in this report:

Place of Occurrence: The place where the event occurred (regardless of place of residence).

Place of Residence: The place where a person lives or maintains legal residency. For live births and fetal deaths, the mother's residence is used.

BIRTHS

Childbearing Age: Women 15 through 44 years of age.

Live Birth: The complete expulsion or extraction from its mother of a product of conception (irrespective of the duration of pregnancy) which, after such separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached. This definition was promulgated by the World Health Organization in 1950 and is set forth in the California Administrative Code, Title 17, Chapter 1, Article 4, Section 915.

Live Birth Order: The number of live births delivered by this mother including the current birth.

Low Birthweight: A live birth or fetal death weighing less than 2,500 grams (5.5 pounds). (Prior to 1979, low birthweight was 2,500 grams or less. This definition complies with a change adopted by the National Center for Health Statistics, beginning with 1979 data.)

Premature: A live birth or fetal death occurring before the 37th week of gestation.

Total Births: Live births plus fetal deaths.

DEATHS

Fetal Death: A death prior to the complete expulsion or extraction from its mother of a product of conception (irrespective of the duration of pregnancy). The death is indicated by the fact that after such separation, the fetus does not breathe or show any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. This definition was promulgated by the World Health Organization in 1950 and is set forth in the California Administrative Code, Title 17, Chapter 1, Article 4, Section 916. If the fetus is of 20 weeks or more gestational age, the death must be registered with the local registrar.

Late Fetal Death: A fetal death of 28 weeks or more gestation.

Infant Death: A death occurring during the first year of life.

Neonatal Death: A death occurring during the first 27 days of life.

Early Neonatal Death: A death occurring during the first six days of life.

Late Neonatal Death: A death occurring between the seventh day and the 27th day of life.

Perinatal Death: Death of a fetus of at least 20 weeks of gestation or of a child under 28 days of life.

Postneonatal Death: A death occurring between the 28th day and the end of the first year of life.

Maternal Death: A death resulting from complications of pregnancy or childbirth (ICD-10 Codes O00-O99).

RATES AND RATIOS

BIRTH RATES AND RATIOS

Age-Specific Birth Rate	=	$\frac{\text{number of live births to women in specific age group}}{\text{estimated female population in that age group}}$	x 1,000
General Fertility Rate	=	$\frac{\text{number of live births}}{\text{estimated female population 15-44 years old}}$	x 1,000
Live Birth Rate (Crude Birth Rate)	=	$\frac{\text{number of live births}}{\text{estimated total population}}$	x 1,000
Total Fertility Rate	=	sum of each age-specific birth rate multiplied by the number of years in each age group (e.g., for 5-year groups, 15-19, 20-24, 40-44, the sum of the birth rates for each age group is multiplied by 5).	

DEATH RATES AND RATIOS

Age-Adjusted Death Rate (Direct Method)	=	Total number of expected deaths in a standard population if the people in this population had experienced the same age-specific death rates as the population being adjusted.*	x 100,000
Age-Specific Death Rate	=	$\frac{\text{number of deaths in specific age group}}{\text{estimated population in that age group}}$	x 100,000
Death Rate (Crude Death Rate)	=	$\frac{\text{number of deaths}}{\text{estimated total population}}$	x 1,000 [†]

* See Reference 9 in Chapter 6 for methodology of calculating age-adjusted rates.

Death Rate from a Specific Cause by Sex or Race/Ethnic Group	=	$\frac{\text{number of deaths from a specific cause}}{\text{estimated population in the group of concern}}$	x 100,000
Fetal Mortality Ratio	=	$\frac{\text{number of reportable fetal deaths}}{\text{total number of live births}}$	x 1,000
Fetal Mortality Rate	=	$\frac{\text{number of reportable fetal deaths}}{\text{total number of births (live births plus fetal deaths)}}$	x 1,000
Infant Mortality Rate	=	$\frac{\text{number of deaths under 1 year of age}}{\text{total number of live births}}$	x 1,000 [†]
Maternal death rate	=	$\frac{\text{number of deaths due to complications of pregnancy and childbirth}}{\text{total number of live births}}$	x 10,000
Neonatal death rate	=	$\frac{\text{number of deaths under 28 days of age}}{\text{total number of live births}}$	x 1,000 [†]
Postneonatal death rate	=	$\frac{\text{number of deaths 28 days of age to less than 1 year of age}}{\text{total number of live births}}$	x 1,000 [†]
Perinatal death rate	=	$\frac{\text{number of fetal deaths of 20 or more weeks gestation, plus neonatal deaths}}{\text{total number of births (live births plus fetal deaths)}}$	x 1,000

[†] or 100,000, as specified.

NOTES

8. APPENDIX OF SOURCES

CERTIFICATES, WORK SHEETS, AND LISTS OF VARIABLES

<u>FIGURES</u>	Page
8-A Certificate of Live Birth, 2002	214
8-B Certificate of Live Birth – Medical Data Supplemental Work Sheet, 2002	215
8-C Statistical Information Available for Live Births, 2002	217
8-D Certificate of Fetal Death, 2002	218
8-E Certificate of Fetal Death – Medical Data Supplemental Work Sheet, 2002	219
8-F Statistical Information Available for Fetal Deaths, 2002	221
8-G Certificate of Death, 2002	222
8-H Statistical Information Available for Deaths, 2002	223
8-I Race Identification Work Sheet, 2002	224
OFFICE OF HEALTH INFORMATION AND RESEARCH PUBLICATIONS AND SERVICES	225
PUBLICATION ORDER FORM.....	227
VITAL STATISTICS REGISTRATION IN CALIFORNIA.....	Inside Back Cover

FIGURE 8-A
CERTIFICATE OF LIVE BIRTH
2002

CERTIFICATE OF LIVE BIRTH STATE OF CALIFORNIA <small>USE BLACK INK ONLY</small>						LOCAL REGISTRATION DISTRICT AND CERTIFICATE NUMBER				
STATE FILE NUMBER										
THIS CHILD	1A. NAME OF CHILD — FIRST (GIVEN)			1B. MIDDLE		1C. LAST (FAMILY)				
	2. SEX	3A. THIS BIRTH, SINGLE, TWIN, ETC.	3B. IF MULTIPLE, THIS CHILD 1ST, 2ND, ETC.	4A. DATE OF BIRTH — MM/DD/CCYY		4B. HOUR — (24 HOUR CLOCK TIME)				
PLACE OF BIRTH	5A. PLACE OF BIRTH — NAME OF HOSPITAL OR FACILITY			5B. STREET ADDRESS — STREET, NUMBER, OR LOCATION						
	5C. CITY			5D. COUNTY			5E. PLANNED PLACE OF BIRTH			
FATHER OF CHILD	6A. NAME OF FATHER — FIRST (GIVEN)	6B. MIDDLE		6C. LAST (FAMILY)			7. STATE OF BIRTH	8. DATE OF BIRTH		
MOTHER OF CHILD	9A. NAME OF MOTHER — FIRST (GIVEN)	9B. MIDDLE		9C. LAST (MAIDEN)			10. STATE OF BIRTH	11. DATE OF BIRTH		
INFORMANT CERTIFICATION	I CERTIFY THAT I HAVE REVIEWED THE STATED INFORMATION AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.			12A. PARENT OR OTHER INFORMANT — SIGNATURE			12B. RELATIONSHIP TO CHILD		12C. DATE SIGNED	
CERTIFICATION OF BIRTH	I CERTIFY THAT THE CHILD WAS BORN ALIVE AT THE DATE, HOUR AND PLACE STATED.			13A. ATTENDANT OR CERTIFIER — SIGNATURE — DEGREE OR TITLE			13B. LICENSE NUMBER	13C. DATE SIGNED		
LOCAL REGISTRAR	15A. DATE OF DEATH	15B. STATE FILE NO. (STATE USE ONLY)	16. LOCAL REGISTRATION NUMBER	17. DATE ACCEPTED FOR REGISTRATION						
CONFIDENTIAL INFORMATION FOR PUBLIC RECORDS ONLY										
FATHER	18. RACE	19. HOME ADDRESS	20. OCCUPATION	21. RACE			22. HOME ADDRESS	23. USUAL OCCUPATION	20B. USUAL BUSINESS OR INDUSTRY	20C. EDUCATION
MOTHER	24A. RESIDENCE — STREET, NUMBER, OR APARTMENT	24B. CITY	24C. COUNTY	24D. STATE			24E. ZIP CODE			
MEDICAL DATA <small>ENTER THE APPROPRIATE CODE(S) FOR ITEMS 25D AND 28A THRU 31 FROM THE VS10A SUPPLEMENTAL WORKSHEET.</small>	25A. DATE LAST NORMAL MENSES BEGAN	25B. MONTH PRENATAL CARE BEGAN	25C. NUMBER OF PRENATAL VISITS	27. PREGNANCY HISTORY (COMPLETE EACH SECTION)						
	25D. PRINCIPAL SOURCE OF PAYMENT FOR PRENATAL CARE	26. BIRTHWEIGHT	28A. METHOD OF DELIVERY	LIVE BIRTHS (DO NOT COUNT THIS CHILD)			OTHER TERMINATIONS (EXCLUDE INDUCED ABORTIONS)			
	28B. EXPECTED PRINCIPAL SOURCE OF PAYMENT FOR DELIVERY	29. COMPLICATIONS AND PROCEDURES OF PREGNANCY AND CONCURRENT ILLNESSES					NOW LIVING	NOW DEAD	BEFORE 20 WEEKS	AFTER 20 WEEKS
	30. COMPLICATIONS AND PROCEDURES OF LABOR AND DELIVERY			31. ABNORMAL CONDITIONS AND CLINICAL PROCEDURES RELATED TO THE NEWBORN			DATE OF LAST LIVE BIRTH		DATE OF LAST OTHER TERMINATION	
A.		B.	C.	D.	E.	F.	CENSUS TRACT	32. FATHER'S SOCIAL SECURITY NO.	33. MOTHER'S SOCIAL SECURITY NO.	
VS 10D (REV. 1/00)										
PRIVACY NOTIFICATION										
<p>This information is collected by the State of California, Department of Health Services, Office of Vital Records, 304 S Street, Sacramento, CA 95814. The information is required by Division 102 of the Health and Safety Code. This record is open to public access except where prohibited by statute. Every element on this form, except items 18 through 23C, 32, and 33, is mandatory. Failure to comply is a misdemeanor. The principal purposes of this record are to: 1) Establish a legal record of each vital event; 2) Provide certified copies for personal use; 3) Furnish information for demographic and epidemiological studies; and 4) Supply data to the National Center for Health Statistics for federal reports. Items 32 and 33 are included pursuant to Section 102425(b)(14) of the Health and Safety Code, and may be used for child support enforcement purposes.</p>										
Definition of Live Birth										
<p>"Live Birth" means the complete expulsion or extraction from its mother of a product of conception (irrespective of duration of pregnancy) which, after such separation, breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached.</p>										
OSP 99 26681										

FIGURE 8-B
CERTIFICATE OF LIVE BIRTH – MEDICAL DATA SUPPLEMENTAL WORK SHEET
2002

State of California—Health and Welfare Agency

Department of Health Services

CERTIFICATE OF LIVE BIRTH—MEDICAL DATA SUPPLEMENTAL WORK SHEET
(For Hospital Use Only)

**USE THE CODES CIRCLED ON THIS WORK SHEET FOR THE APPROPRIATE ENTRY
 IN ITEMS NUMBERED 25D AND 28A THROUGH 31 ON THE "CERTIFICATE OF LIVE BIRTH"**

Item 25D. PRINCIPAL SOURCE OF PAYMENT FOR PRENATAL CARE (Circle one code only.)

- | | |
|--|---------------------------------|
| 01 Medicare | 09 Self pay |
| 02 Medi-Cal (except CPS Program) | 10 No charge |
| 03 Workers' compensation | 11 Other nongovernment programs |
| 04 Title V (MCH funds) | 12 Medically Indigent |
| 05 Other government programs | 13 Medi-Cal CPS Program |
| 06 Blue Cross/Blue Shield | 00 No prenatal care |
| 07 Private insurance company | 99 Unknown |
| 08 Health maintenance organization/prepaid health plan | |

Item 28A. METHOD OF DELIVERY (Circle up to three codes.)

Allowable code combinations are: 03 and 04, 04 and 05, 04 and 06, 05 and 06; and 04, 05, and 06.

- | | |
|------------------------------|--|
| 01 Cesarean section—primary | 04 Vaginal birth—after previous cesarean section |
| 02 Cesarean section—repeat | 05 Vaginal birth—forceps |
| 03 Vaginal birth—spontaneous | 06 Vaginal birth—vacuum |

Item 28B. EXPECTED PRINCIPAL SOURCE OF PAYMENT FOR DELIVERY (Circle one code only.)

- | | |
|--|---------------------------------|
| 01 Medicare | 09 Self pay |
| 02 Medi-Cal | 10 No charge |
| 03 Workers' compensation | 11 Other nongovernment programs |
| 04 Title V (MCH funds) | 12 Medically Indigent |
| 05 Other government programs | 00 Medically unattended birth |
| 06 Blue Cross/Blue Shield | 99 Unknown |
| 07 Private insurance company | |
| 08 Health maintenance organization/prepaid health plan | |

Item 29. COMPLICATIONS AND PROCEDURES OF PREGNANCY AND CONCURRENT ILLNESSES (Circle up to 16 codes for the most important complications/procedures.)

- | | |
|--|--|
| 01 Preeclampsia (pregnancy-induced hypertension) | 18 Hepatitis B (acute infection or carrier) |
| 02 Eclampsia (convulsions or coma) | 19 Rubella |
| 03 Hypertension, chronic | 20 Tobacco use during pregnancy |
| 04 Renal disease | Codes 21, 22, and 23 apply to any previous live birth or fetal death (single or multiple): |
| 05 Pyelonephritis | 21 ≥4000 grams birthweight |
| 06 Anemia (hct. < 30 and/or hgb. < 10) | 22 < 2500 grams birthweight |
| 07 Cardiac disease | 23 <37 weeks gestation |
| 08 Lung disease, acute or chronic | 24 Cervical cerclage |
| 09 Diabetes | 25 Chorionic villus sampling |
| 10 Rh sensitization | 26 Amniocentesis |
| 11 Hemoglobinopathy | 27 Electronic fetal monitoring |
| 12 Uterine bleeding before labor | 28 Tocolysis |
| 13 Polyhydramnios/oligohydramnios | 29 Ultrasound |
| 14 Incompetent cervix (with or without cerclage) | 30 Other |
| 15 Premature labor | 00 None |
| 16 Genital herpes | |
| 17 Other sexually transmitted diseases | |

Item 30. COMPLICATIONS AND PROCEDURES OF LABOR AND DELIVERY (Circle up to nine codes for the most important complications/procedures.)

- | | |
|--|---|
| 01 Preeclampsia (pregnancy-induced hypertension) | 18 Febrile (> 100° F. or > 38° C.) |
| 02 Eclampsia (convulsions or coma) | 19 Presence of meconium, moderate/heavy |
| 03 Seizures during labor | 20 Cord prolapse |
| 04 Fetal-pelvic disproportion | 21 Fetal distress |
| 05 Shoulder dystocia | 22 Anesthetic complications |
| 06 Breech or other abnormal presentation | 23 Unsuccessful attempt at vaginal birth after cesarean section |
| 07 Precipitous labor (< 3 hours) | 24 Maternal blood transfusion |
| 08 Prolonged labor (> 20 hours) | 25 Transport of mother from another facility prior to delivery |
| 09 Other dysfunctional labor | 26 Amniocentesis |
| 10 Premature rupture of membrane (> 12 hours) | 27 Electronic fetal monitoring |
| 11 Induction of labor | 28 Tocolysis |
| 12 Stimulation of labor | 29 Ultrasound |
| 13 Abruptio placenta | 30 Maternal death (within 72 hours of delivery) |
| 14 Placenta previa | 31 Other |
| 15 Other excessive bleeding | 00 None |
| 16 Genital herpes | |
| 17 Amnionitis/sepsis | |

Item 31. ABNORMAL CONDITIONS AND CLINICAL PROCEDURES RELATING TO THE NEWBORN (Circle codes on reverse.)

*Do not enter any identification by patient name or number on this work sheet. Discard after use.
 Do not retain in medical records or submit with the "Certificate of Live Birth."*

FIGURE 8-B – Continued
CERTIFICATE OF LIVE BIRTH –MEDICAL DATA SUPPLEMENTAL WORK SHEET
2002

CERTIFICATE OF LIVE BIRTH, MEDICAL DATA SUPPLEMENTAL WORK SHEET (Continued)

Item 31. ABNORMAL CONDITIONS AND CLINICAL PROCEDURES RELATING TO THE NEWBORN
(Circle up to ten codes for the most important conditions/procedures.)

CENTRAL NERVOUS SYSTEM (CNS)			RESPIRATORY SYSTEM	MUSCULOSKELETAL DEFORMITIES (Continued)
01 Anencephalus (740.0), with or without spine bifida. Include craniorachischisis (740.1) and iniencephaly (740.2).	25 Choanal atresia (748.0).	52 Anomalies of diaphragm (756.6).		
02 Open spine bifida (741.0, 741.9). If hydrocephalus is also present, enter code 05 in addition to code 02.	26 Agenesis, hypoplasia, or dysplasia of lung (748.5).	53 Gastrochisis, exomphalos, or omphalocele (756.7, 551.1, 552.1, 553.1). Exclude simple umbilical hernia.		
03 Encephalocele (742.0).	27 Other anomalies of respiratory system (remainder of 748).	54 Other anomalies of musculoskeletal system (remainder of 754–756).		
04 Microcephalus (742.1).	28 Cleft palate (749.0).	55 SKIN, NAILS, HAIR (757.0–757.9).		
05 Hydrocephalus (741.0, 742.3). If spine bifida is also present, enter code 02 in addition to code 05.	29 Cleft lip (749.1).	56 VISIBLE AMNIOTIC BANDS (Amniotic band syndrome affecting the child) (658.8).		
06 Other anomalies of central nervous system (remainder of 740–742).	30 Cleft palate with cleft lip (749.2).			
EYE				CHROMOSOMAL ANOMALIES
07 Anophthalmos (743.0).	31 Tracheo-esophageal fistula, or esophageal atresia or stenosis (750.3).	57 Down's syndrome (trisomy 21) (758.0).		
08 Congenital cataract (743.3).	32 Atresia or stenosis of small intestine (751.1).	58 Other autosomal trisomies (758.1, 758.2, 758.5). Include Patau's syndrome (trisomy 13), Edwards' syndrome (trisomy 18), and other autosomal trisomies.		
09 Coloboma (743.4). Exclude other anomalies of anterior segments.	33 Atresia or stenosis of large intestine, rectum, and/or anal canal (751.2).	59 Abnormalities of sex chromosomes (758.6–758.8). Include Turner's syndrome and Klinefelter's syndrome.		
10 Other anomalies of eye (remainder of 743).	34 Other anomalies of digestive system (remainder of 750–751).	60 Other conditions due to chromosome anomalies (remainder of 758).		
EAR, FACE, NECK				61 MULTIPLE NONSPECIFIC ANOMALIES (759.7).
11 Branchial clefts (cyst, sinus, and/or fistula) (744.4).	35 Hypospadias or epispadias (752.6).	62 OTHER AND UNSPECIFIED CONGENITAL ANOMALIES (remainder of 759).		
12 Other anomalies of ear, face, and/or neck (remainder of 744).	36 Indeterminate sex or pseudohermaphroditism (752.7).			
CIRCULATORY SYSTEM				OTHER CONDITIONS AND PROCEDURES
13 Truncus arteriosus (745.0).	37 Other anomalies of genital system (remainder of 752).	63 Anemia (hct. <39 and/or hgb. <13): due to Rh antibodies (730.0); due to ABO antibodies (773.1) due to fetal blood loss (776).		
14 Transposition of great vessels (745.1).	38 Renal agenesis (753.0).	64 Fetal alcohol syndrome (part of 760.7).		
15 Tetralogy of Fallot (745.2).	39 Cystic kidney disease (753.1).	65 Drug withdrawal syndrome (779.5).		
16 Ventricular septal defect (VSD) (745.4).	40 Congenital ureteral obstruction (753.2).	66 Birth injury, with or without specific site (767.0–767.9).		
17 Atrial septal defect (ASD) (745.5).	41 Exstrophy of urinary bladder (753.5).	67 Hyaline membrane disease or RDS (769).		
18 Endocardial cushion defects (745.6).	42 Other anomalies of urinary system (remainder of 753).	68 Meconium aspiration syndrome (770.1).		
19 Valve stenosis and/or insufficiency (746.0–746.6).	43 Hip dislocation without CNS (754.3).	69 Congenital rubella syndrome (771.0).		
20 Hypoplastic left heart syndrome (746.7).	44 Talipes (754.5–754.7).	70 Seizures (779.0).		
21 Other anomalies of heart (remainder of 745–746).	45 Preaxial polydactyly (accessory thumbs) (part of 755.0). Exclude skin tags.	71 Assisted ventilation <30 min. (Procedure; no ICD 9 code).		
22 Patent ductus arteriosus (747.0).	46 Other polydactyly (remainder of 755.0). Exclude skin tags.	72 Assisted ventilation ≥30 min. (Procedure; no ICD 9 code).		
23 Coarctation of aorta (747.1).	47 Syndactyly of fingers and/or toes (755.1).	73 Neonatal Intensive Care Unit (NICU) (>24 hours; <24 hours if infant died). (Procedure; no ICD 9 code).		
24 Other anomalies of circulatory system (remainder of 747).	48 Missing fingers and/or toes (part of 755.2; part of 755.3).	74 Transfer of newborn to another facility. (Procedure; no ICD 9 code).		
	49 Other missing extremity, partial or complete (remainder of 755.2–755.4).	75 Other		
	50 Craniostenosis (part of 756.0). Exclude acrocephaly, hypertelorism, and oxycephaly.	00 None		
	51 Chondrodyostrophy (756.4).			

VS 10A (Rev. 1/90)

FIGURE 8-C
STATISTICAL INFORMATION AVAILABLE
FOR LIVE BIRTHS, 2002

VARIABLE	CERTIFICATE ITEM NUMBER
THIS CHILD	
Name of child (first, middle, last)	1A, B, C
Sex of child	2
Single, twin, triplet, quadruplet, quintuplet, or more	3A
If multiple birth, birth order	3B
Date of birth (month, day, year)	4A
Time of birth	4B
Type of attendant	13A
PLACE OF DELIVERY	
Hospital or facility	5A
County of occurrence	5D
Planned place of delivery	5E
MOTHER OF CHILD	
Name (first, maiden surname)	9A, C
State of birth	10
Date of birth	11
Age	11
Race	21
Hispanic origin	22
Years of education	23C
Residence (county, state, zip code)	24B, D, E
FATHER OF CHILD	
Last name	6C
Date of birth	8
Age	8
Race	18
Hispanic origin	19
Years of education	20C
MEDICAL AND HEALTH DATA	
Completed days of gestation	4A, 25A
Date of death, if infant died	15A
Date last normal menses began	25A
Month of pregnancy prenatal care began	25B
Number of prenatal visits	25C
Principal source of payment for prenatal care	25D
Birthweight (in grams)	26
Previous deliveries to this mother	27A, B, D, E
Date of last live birth	27C
Date of last termination	27F
Method of delivery	28A
Expected source of payment for delivery	28B
Complications of pregnancy and concurrent illnesses	29
Complications of labor and delivery	30
Abnormal conditions of newborn	31

FIGURE 8-D
CERTIFICATE OF FETAL DEATH
2002

CERTIFICATE OF FETAL DEATH						
STATE FILE NUMBER		STATE OF CALIFORNIA USE BLACK INK ONLY MAKE NO ERASURES, WHITEOUTS, OR OTHER ALTERATIONS			LOCAL REGISTRATION DISTRICT AND CERTIFICATE NUMBER	
THIS FETUS	1A. NAME—FIRST (GIVEN)		1B. MIDDLE	1C. LAST (FAMILY)		
	2. SEX	3A. THIS FETUS, SINGLE, TWIN, ETC.	3B. IF MULTIPLE THIS FETUS 1ST, 2ND, ETC.	4A. DATE OF EVENT—MONTH, DAY, YEAR	4B. HOUR—24 HOUR CLOCK TIME	
PLACE OF DELIVERY	5A. PLACE OF EVENT—NAME OF HOSPITAL OR FACILITY			5B. STREET ADDRESS—STREET, NUMBER, OR LOCATION		
	5C. CITY		5D. COUNTY	5E. PLANNED PLACE OF DELIVERY		
FATHER	6A. NAME OF FATHER—FIRST (GIVEN)	6B. MIDDLE	6C. LAST (FAMILY)		7. STATE OF BIRTH	8. DATE OF BIRTH—MONTH, DAY, YEAR
	9A. NAME OF MOTHER—FIRST (GIVEN)	9B. MIDDLE	9C. LAST (MAIDEN)		10. STATE OF BIRTH	11. DATE OF BIRTH—MONTH, DAY, YEAR
CERTIFICATION	12A. SIGNATURE OF PHYSICIAN, CORONER, OR DEPUTY CORONER		12B. DEGREE OR TITLE AND TYPED NAME	12C. DATE SIGNED	12D. LICENSE NUMBER	
	13A. DISPOSITION(S)	13B. PLACE OF DISPOSITION—NAME AND ADDRESS	13C. DATE MO. DAY, YEAR	14A. SIGNATURE	R	14B. LICENSE NUMBER
FUNERAL DIRECTOR AND LOCAL REGISTRAR	15A. NAME OF FUNERAL DIRECTOR (OR PERSON ACTING AS SUCH)		15B. LICENSE NUMBER	15C. DATE OF EXPIRATION	15D. LOCAL REGISTRATION NUMBER	17. REGISTRATION DATE
	18. FETAL DEATH WAS CAUSED BY: <small>IMMEDIATE CAUSE (A) DUE TO (B) DUE TO (C)</small> 21. OTHER CONDITIONS OF FETUS OR MOTHER—CONTRIBUTING TO FETAL DEATH BUT NOT RELATED TO CAUSE GIVEN IN 18.					
CAUSE OF DEATH	<small>19. WAS REPORTED TO CORONER? REFERRAL NUMBER</small> <input type="checkbox"/> YES <input type="checkbox"/> NO <small>20A. WAS AUTOPSY PERFORMED? YES <input type="checkbox"/> NO</small> <small>20B. WAS IT USED IN DETERMINING CAUSE OF DEATH? YES <input type="checkbox"/> NO</small>					
	22. RACE	23. HISPANIC SPECIFY <input type="checkbox"/> YES <input type="checkbox"/> NO	24A. USUAL OCCUPATION	24B. USUAL KIND OF BUSINESS OR INDUSTRY	24C. EDUCATION—YRS. COMPLETED	
MOTHER	25. RACE	26. HISPANIC SPECIFY <input type="checkbox"/> YES <input type="checkbox"/> NO	27A. USUAL OCCUPATION	27B. USUAL KIND OF BUSINESS OR INDUSTRY	27C. EDUCATION—YRS. COMPLETED	
	28A. RESIDENCE—STREET, NUMBER, OR LOCATION		28B. CITY	28C. STATE	28D. ZIP	28E. COUNTY
MEDICAL DATA <small>(ENTER THE APPROPRIATE CODE(S) FOR ITEMS 29 AND 32A-35 FROM THE VS 12A SUPPLEMENTAL WORKSHEET.)</small>	29A. DATE LAST NORMAL MENSTRUATION BEGAN MONTH DAY YEAR	29B. MONTH PRENATAL CARE BEGAN (1ST, 2ND, ... 8TH, 9TH)	29C. NUMBER OF PRENATAL VISITS	31. PREGNANCY HISTORY (COMPLETE EACH SECTION)		
	30D. PRINCIPAL SOURCE OF PAYMENT FOR PRENATAL CARE CODE:	30. FETAL WEIGHT GRAMS	32A. METHOD OF DELIVERY CODE(S):	NOW LIVING NUMBER A	NOW DEAD NUMBER B	BEFORE 20 WKS (NUMBER) D
32B. EXPECTED PRINCIPAL SOURCE OF PAYMENT FOR DELIVERY CODE:	33. COMPLICATIONS AND PROCEDURES OF PREGNANCY AND CONCURRENT ILLNESSES CODE(S):			DATE OF LAST LIVE BIRTH MONTH DAY YEAR C	DATE OF LAST OTHER TERM. MONTH DAY YEAR F	
34. COMPLICATIONS AND PROCEDURES OF LABOR AND DELIVERY CODE(S):	35. ABNORMAL CONDITIONS AND CLINICAL PROCEDURES RELATING TO THE FETUS CODE(S):			CENSUS TRACT		
STATE REGISTRAR	A.	B.	C.	D.	E.	F.
VS 12 (REV 7/91) PENALTY FOR UNAUTHORIZED RELEASE, \$500 FINE OR SIX MONTHS IMPRISONMENT.						
OSP 00 36252						

FIGURE 8-E
CERTIFICATE OF FETAL DEATH – MEDICAL DATA SUPPLEMENTAL WORK SHEET
2002

State of California—Health and Welfare Agency

Department of Health Services

CERTIFICATE OF FETAL DEATH —MEDICAL DATA SUPPLEMENTAL WORK SHEET
(For Hospital Use Only)

**USE THE CODES CIRCLED ON THIS WORK SHEET FOR THE APPROPRIATE ENTRY
 IN ITEMS NUMBERED 29D AND 32A THROUGH 35 ON THE "CERTIFICATE OF FETAL DEATH"**

Item 29D. PRINCIPAL SOURCE OF PAYMENT FOR PRENATAL CARE (Circle one code only.)

- | | |
|--|---------------------------------|
| 01 Medicare | 09 Self pay |
| 02 Medi-Cal (except CPS Program) | 10 No charge |
| 03 Workers' compensation | 11 Other nongovernment programs |
| 04 Title V (MCH funds) | 12 Medically Indigent |
| 05 Other government programs | 13 Medi-Cal CPS Program |
| 06 Blue Cross/Blue Shield | 00 No prenatal care |
| 07 Private insurance company | 99 Unknown |
| 08 Health maintenance organization/prepaid health plan | |

Item 32A. METHOD OF DELIVERY (Circle up to three codes.)

Allowable code combinations are: 03 and 04, 04 and 05, 04 and 06, 05 and 06; and 04, 05, and 06.

- | | |
|------------------------------|--|
| 01 Cesarean section—primary | 04 Vaginal birth—after previous cesarean section |
| 02 Cesarean section—repeat | 05 Vaginal birth—forceps |
| 03 Vaginal birth—spontaneous | 06 Vaginal birth—vacuum |

Item 32B. EXPECTED PRINCIPAL SOURCE OF PAYMENT FOR DELIVERY (Circle one code only.)

- | | |
|--|---------------------------------|
| 01 Medicare | 09 Self pay |
| 02 Medi-Cal | 10 No charge |
| 03 Workers' compensation | 11 Other nongovernment programs |
| 04 Title V (MCH funds) | 12 Medically Indigent |
| 05 Other government programs | 00 Medically unattended birth |
| 06 Blue Cross/Blue Shield | 99 Unknown |
| 07 Private insurance company | |
| 08 Health maintenance organization/prepaid health plan | |

Item 33. COMPLICATIONS AND PROCEDURES OF PREGNANCY AND CONCURRENT ILLNESSES (Circle up to 16 codes for the most important complications/procedures.)

- | | |
|--|--|
| 01 Preeclampsia (pregnancy-induced hypertension) | 18 Hepatitis B (acute infection or carrier) |
| 02 Eclampsia (convulsions or coma) | 19 Rubella |
| 03 Hypertension, chronic | 20 Tobacco use during pregnancy |
| 04 Renal disease | Codes 21, 22, and 23 apply to any previous live birth or fetal death (single or multiple): |
| 05 Pyelonephritis | 21 ≥ 4000 grams birthweight |
| 06 Anemia (hct. < 30 and/or hgb. < 10) | 22 < 2500 grams birthweight |
| 07 Cardiac disease | 23 <37 weeks gestation |
| 08 Lung disease, acute or chronic | 24 Cervical cerclage |
| 09 Diabetes | 25 Chorionic villus sampling |
| 10 Rh sensitization | 26 Amniocentesis |
| 11 Hemoglobinopathy | 27 Electronic fetal monitoring |
| 12 Uterine bleeding before labor | 28 Tocolysis |
| 13 Polyhydramnios/oligohydramnios | 29 Ultrasound |
| 14 Incompetent cervix (with or without cerclage) | 30 Other |
| 15 Premature labor | 00 None |
| 16 Genital herpes | |
| 17 Other sexually transmitted diseases | |

Item 34. COMPLICATIONS AND PROCEDURES OF LABOR AND DELIVERY (Circle up to nine codes for the most important complications/procedures.)

- | | |
|--|---|
| 01 Preeclampsia (pregnancy-induced hypertension) | 18 Febrile (> 100° F. or > 38° C.) |
| 02 Eclampsia (convulsions or coma) | 19 Presence of meconium, moderate/heavy |
| 03 Seizures during labor | 20 Cord prolapse |
| 04 Fetal/pelvic disproportion | 21 Fetal distress |
| 05 Shoulder dystocia | 22 Anesthetic complications |
| 06 Breech or other abnormal presentation | 23 Unsuccessful attempt at vaginal birth after cesarean section |
| 07 Precipitous labor (< 3 hours) | 24 Maternal blood transfusion |
| 08 Prolonged labor (> 20 hours) | 25 Transport of mother from another facility prior to delivery |
| 09 Other dysfunctional labor | 26 Amniocentesis |
| 10 Premature rupture of membrane (> 12 hours) | 27 Electronic fetal monitoring |
| 11 Induction of labor | 28 Tocolysis |
| 12 Stimulation of labor | 29 Ultrasound |
| 13 Abruptio placenta | 30 Maternal death (within 72 hours of delivery) |
| 14 Placenta previa | 31 Other |
| 15 Other excessive bleeding | 00 None |
| 16 Genital herpes | |
| 17 Amnionitis/sepsis | |

Item 35. ABNORMAL CONDITIONS AND CLINICAL PROCEDURES RELATING TO THE FETUS (Circle codes on reverse.)

*Do not enter any identification by patient name or number on this work sheet. Discard after use.
 Do not retain in medical records or submit with the "Certificate of Fetal Death."*

FIGURE 8-E – Continued

**CERTIFICATE OF FETAL DEATH – MEDICAL DATA SUPPLEMENTAL WORK SHEET
2002**

CERTIFICATE OF FETAL DEATH, MEDICAL DATA SUPPLEMENTAL WORK SHEET (Continued)

Item 35. ABNORMAL CONDITIONS AND CLINICAL PROCEDURES RELATING TO THE FETUS
(Circle up to ten codes for the most important conditions/procedures.)

FIGURE 8-F
STATISTICAL INFORMATION AVAILABLE
FOR FETAL DEATHS, 2002

VARIABLE	CERTIFICATE ITEM NUMBER
THIS FETUS	
Name of child (first, middle, last)	1A, B, C
Sex of child	2
Single, twin, triplet, quadruplet, quintuplet, or more	3A
If multiple birth, birth order	3B
Date of delivery (month, day, year)	4A
Time of delivery	4B
Type of attendant	12B
PLACE OF DELIVERY	
Hospital or facility	5A
County of occurrence	5D
Planned place of delivery	5E
MOTHER	
Name (first, maiden surname)	9A, C
State of birth	10
Date of birth	11
Age	11
Race	25
Hispanic origin	26
Years of education	27C
Residence (county, state, zip code)	28C, D, E
FATHER	
Last name	6C
Date of birth	8
Age	8
Race	22
Hispanic origin	23
Years of education	24C
MEDICAL AND HEALTH DATA	
Completed days of gestation	4A, 29A
Underlying cause of death	18
Reported to coroner	19
Autopsy performed	20A
Autopsy used to determine cause of death	20B
Date last normal menses began	29A
Month of pregnancy prenatal care began	29B
Number of prenatal visits	29C
Principal source of payment for prenatal care	29D
Fetal weight (in grams)	30
Previous deliveries to this mother	31A, B, D, E
Date of last live birth	31C
Date of last termination	31F
Method of delivery	32A
Expected source of payment for delivery	32B
Complications of pregnancy and concurrent illnesses	33
Complications of labor and delivery	34
Abnormal conditions of fetus	35

FIGURE 8-G
CERTIFICATE OF DEATH
2002

CERTIFICATE OF DEATH													
STATE OF CALIFORNIA USE BLACK INK ONLY/NO ERASURES, WHITEOUTS OR ALTERATIONS VB-11 (REV. 1/00)											LOCAL REGISTRATION NUMBER		
DECEDENT PERSONAL DATA	1. NAME OF DECEDENT—FIRST (GIVEN)				2. MIDDLE				3. LAST (FAMILY)				
	4. DATE OF BIRTH MM/DD/CCYY		5. AGE YRS.		IF UNDER 1 YEAR MONTHS		IF UNDER 24 HOURS DAYS HOURS MINUTES		6. SEX	7. DATE OF DEATH MM/DD/CCYY	8. HOUR		
	9. STATE OF BIRTH		10. SOCIAL SECURITY NO.		11. MILITARY SERVICE <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> UNK				12. MARITAL STATUS	13. EDUCATION—YEARS COMPLETED			
	14. RACE				15. HISPANIC—SPECIFY <input type="checkbox"/> YES <input type="checkbox"/> NO				16. USUAL EMPLOYER				
	17. OCCUPATION				18. KIND OF BUSINESS				19. YEARS IN OCCUPATION				
	20. RESIDENCE—(STREET AND NUMBER OR LOCATION)												
	21. CITY				22. COUNTY				23. ZIP CODE	24. YRS IN COUNTY	25. STATE OR FOREIGN COUNTRY		
	INFORMANT 26. NAME, RELATIONSHIP 27. MAILING ADDRESS (STREET AND NUMBER OR RURAL ROUTE NUMBER, CITY OR TOWN, STATE, ZIP)												
SPOUSE AND PARENT INFORMATION	28. NAME OF SURVIVING SPOUSE—FIRST				29. MIDDLE				30. LAST (MAIDEN NAME)				
	31. NAME OF FATHER—FIRST				32. MIDDLE				33. LAST (MAIDEN NAME)				
	35. NAME OF MOTHER—FIRST				36. MIDDLE				37. LAST (MAIDEN NAME)				
DISPOSITION(S)	39. DATE MM/DD/CCYY		40. PLACE OF DEATH		41. TYPE OF DEATH		42. FUNERAL DIRECTOR		43. LICENSE NO.				
	44. NAME OF DIRECTOR				45. SIGNATURE OF DIRECTOR		46. SIGNATURE OF LOCAL REGISTRAR		47. DATE MM/DD/CCYY				
PLACE OF DEATH	101. PLACE OF DEATH		102. IF HOSPITAL, SPECIFY ONE:		103. FACILITY OTHER THAN HOSPITAL:		104. COUNTY		105. STREET (STREET AND NUMBER OR LOCATION)				
			<input type="checkbox"/> IP <input type="checkbox"/> ER/OP <input type="checkbox"/> DOA		<input type="checkbox"/> CONV. HOSP. <input type="checkbox"/> RES. CARE <input type="checkbox"/> OTHER								
CAUSE OF DEATH	107. DEATH WAS CAUSED BY: (ENTER ONLY ONE CAUSE PER LINE FOR A, B, C, AND D)									TIME INTERVAL BETWEEN ONSET AND DEATH		108. DEATH REPORTED TO CORONER <input type="checkbox"/> YES <input type="checkbox"/> NO REFERRAL NUMBER	
	IMMEDIATE CAUSE (A)												
	DUE TO (B)											109. BIOPSY PERFORMED <input type="checkbox"/> YES <input type="checkbox"/> NO	
	DUE TO (C)											110. AUTOPSY PERFORMED <input type="checkbox"/> YES <input type="checkbox"/> NO	
	DUE TO (D)											111. USED IN DETERMINING CAUSE <input type="checkbox"/> YES <input type="checkbox"/> NO	
112. OTHER SIGNIFICANT CONDITIONS CONTRIBUTING TO DEATH BUT NOT RELATED TO CAUSE GIVEN IN 107													
113. WAS OPERATION PERFORMED FOR ANY CONDITION IN ITEM 107 OR 112? IF YES, LIST TYPE OF OPERATION AND DATE.													
PHYSICIAN'S CERTIFICATION	114. I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE DEATH OCCURRED AT THE HOUR, DATE AND PLACE STATED FROM THE CAUSES STATED. DECEDENT ATTENDED SINCE MM/DD/CCYY DECEDENT LAST SEEN ALIVE MM/DD/CCYY				115. SIGNATURE AND TITLE OF CERTIFIER				116. LICENSE NO.		117. DATE MM/DD/CCYY		
					►				118. TYPE ATTENDING PHYSICIAN'S NAME, MAILING ADDRESS, ZIP				
CORONER'S USE ONLY	I CERTIFY THAT IN MY OPINION DEATH OCCURRED AT THE HOUR, DATE AND PLACE STATED FROM THE CAUSES STATED.												
	119. MANNER OF DEATH <input type="checkbox"/> NATURAL <input type="checkbox"/> SUICIDE <input type="checkbox"/> HOMICIDE <input type="checkbox"/> ACCIDENT <input type="checkbox"/> PENDING INVESTIGATION <input type="checkbox"/> COULD NOT BE DETERMINED												
	120. INJURY AT WORK <input type="checkbox"/> YES <input type="checkbox"/> NO 121. INJURY DATE MM/DD/CCYY 122. HOUR 123. PLACE OF INJURY												
	124. DESCRIBE HOW INJURY OCCURRED (EVENTS WHICH RESULTED IN INJURY)												
125. LOCATION (STREET AND NUMBER OR LOCATION AND CITY, ZIP) ►													
126. SIGNATURE OF CORONER OR DEPUTY CORONER					127. DATE MM/DD/CCYY			128. TYPED NAME, TITLE OF CORONER OR DEPUTY CORONER					
STATE REGISTRAR	A	B	C	D	E	F	G	H	FAX AUTH. #	CENSUS TRACT			

FIGURE 8-H
STATISTICAL INFORMATION AVAILABLE
FOR DEATHS, 2002

VARIABLE	CERTIFICATE ITEM NUMBER
DECEDENT PERSONAL DATA	
Name of decedent (first, middle, last)	1, 2, 3
Date of birth	4
Age	5
Sex	6
Date of death (month, day, year)	7
State/foreign country of birth	9
Social Security Number	10
Marital status	12
Years of education	13
Race	14
Hispanic origin	15
Years in Occupation	19
Residence (county, state, or country)	22, 25
Zip Code	23
Years in this county	24
Father's surname	33
Mother's maiden name	37
PLACE OF DEATH	
Type of hospital (IP, ER/OP, DOA)	102
Facility other than hospital (Conv., Res. Care, Other)	103
County of occurrence	104
MEDICAL AND HEALTH DATA	
Underlying cause of death	107
Special medical indicator (contributing cause)	107, 112
Reported to coroner	108
Biopsy performed	109
Autopsy performed	110
Autopsy used to determine cause of death	111
Operation performed	113
Type of certifier	115, 128
Manner of death	119
Work injury	120
Date of injury	121
Days between injury and death	7, 121
Place of injury (environment)	123

FIGURE 8-I
RACE IDENTIFICATION WORK SHEET
2002

State of California – Health and Human Services Agency

Department of Health Services

RACE IDENTIFICATION WORK SHEET

NOTICE TO INFORMANTS: Completion of this work sheet in conjunction with either the "Certificate of Live Birth" or the "Certificate of Fetal Death" is not required by state law. However, the information requested is essential for determining the health problems of the population groups noted below and your cooperation is appreciated. Completion of this work sheet in conjunction with the "Certificate of Death" is mandatory. See back of form for abbreviations.

"CERTIFICATE OF LIVE BIRTH" (VS 10D) and "CERTIFICATE OF FETAL DEATH" (VS 12)

ITEM entitled "HISPANIC" (check ONE box)

Is the **FATHER** of Spanish/Hispanic/Latino descent?

- No - (Not Hispanic)
 Yes - Cuban
 Yes - Puerto Rican
 Yes - Mexican
 Yes - Other Hispanic (Specify) _____

ITEM entitled "HISPANIC" (check ONE box)

Is the **MOTHER** of Spanish/Hispanic/Latina descent?

- No - (Not Hispanic)
 Yes - Cuban
 Yes - Puerto Rican
 Yes - Mexican
 Yes - Other Hispanic (Specify) _____

ITEM entitled "RACE" (check at least ONE box and you may choose up to THREE boxes)

The **FATHER** is:

- | | | |
|--|---------------------------------------|--|
| <input type="checkbox"/> Black | <input type="checkbox"/> Asian Indian | <input type="checkbox"/> Filipino |
| <input type="checkbox"/> White | <input type="checkbox"/> Cambodian | <input type="checkbox"/> Guamanian |
| <input type="checkbox"/> Aleut | <input type="checkbox"/> Chinese | <input type="checkbox"/> Hawaiian |
| <input type="checkbox"/> American Indian (North, South and Central)
Specify Tribe | <input type="checkbox"/> Hmong | <input type="checkbox"/> Pacific Islander |
| _____ | <input type="checkbox"/> Japanese | <input type="checkbox"/> Samoan |
| <input type="checkbox"/> Eskimo | <input type="checkbox"/> Korean | <input type="checkbox"/> Other (Specify) _____ |
| | <input type="checkbox"/> Laotian | |
| | <input type="checkbox"/> Thai | |
| | <input type="checkbox"/> Vietnamese | |

ITEM entitled "RACE" (check at least ONE box and you may choose up to THREE boxes)

The **MOTHER** is:

- | | | |
|--|---------------------------------------|--|
| <input type="checkbox"/> Black | <input type="checkbox"/> Asian Indian | <input type="checkbox"/> Filipino |
| <input type="checkbox"/> White | <input type="checkbox"/> Cambodian | <input type="checkbox"/> Guamanian |
| <input type="checkbox"/> Aleut | <input type="checkbox"/> Chinese | <input type="checkbox"/> Hawaiian |
| <input type="checkbox"/> American Indian (North, South and Central)
Specify Tribe | <input type="checkbox"/> Hmong | <input type="checkbox"/> Pacific Islander |
| _____ | <input type="checkbox"/> Japanese | <input type="checkbox"/> Samoan |
| <input type="checkbox"/> Eskimo | <input type="checkbox"/> Korean | <input type="checkbox"/> Other (Specify) _____ |
| | <input type="checkbox"/> Laotian | |
| | <input type="checkbox"/> Thai | |
| | <input type="checkbox"/> Vietnamese | |

"CERTIFICATE OF DEATH" (VS 11)

ITEM entitled "HISPANIC" (check ONE box)

Is the **DECEDENT** of Spanish/Hispanic/Latino(a) origin?

- No - (Not Hispanic)
 Yes - Cuban
 Yes - Puerto Rican
 Yes - Mexican
 Yes - Other Hispanic (Specify) _____

ITEM entitled "RACE" (check at least ONE box and you may choose up to THREE boxes)

The **DECEDENT** is:

- | | | |
|--|---------------------------------------|--|
| <input type="checkbox"/> Black | <input type="checkbox"/> Asian Indian | <input type="checkbox"/> Filipino |
| <input type="checkbox"/> White | <input type="checkbox"/> Cambodian | <input type="checkbox"/> Guamanian |
| <input type="checkbox"/> Aleut | <input type="checkbox"/> Chinese | <input type="checkbox"/> Hawaiian |
| <input type="checkbox"/> American Indian (North, South and Central)
Specify Tribe | <input type="checkbox"/> Hmong | <input type="checkbox"/> Pacific Islander |
| _____ | <input type="checkbox"/> Japanese | <input type="checkbox"/> Samoan |
| <input type="checkbox"/> Eskimo | <input type="checkbox"/> Korean | <input type="checkbox"/> Other (Specify) _____ |
| | <input type="checkbox"/> Laotian | |
| | <input type="checkbox"/> Thai | |
| | <input type="checkbox"/> Vietnamese | |

INSTRUCTIONS: This work sheet is to be completed by, or with the direct assistance of, the informant(s). Do not enter any identification by name or number on this work sheet if it is completed in conjunction with either the "Certificate of Live Birth" or the "Certificate of Fetal Death." After completion by the informant(s), transfer the information indicated onto the appropriate certificate. If this work sheet is completed in conjunction with either the "Certificate of Live Birth" or the "Certificate of Fetal Death," discard after completion. Do not retain in medical records. Do not submit this work sheet with ANY of the certificates associated with its use.

VS 10B (Rev. 1/00)



OFFICE OF HEALTH INFORMATION AND RESEARCH PUBLICATIONS AND SERVICES

Major Reports:	Cost
Analysis of Health Indicators for California's Minority Populations (February 1994)	\$10.00
California's Infant Mortality Rate Report, 2002 (February 2004)	\$ 1.00
County Health Status Profiles 2004 (April 2004)	\$10.00
Healthy California 2000 Final Review (March 2004)	\$20.00
Health Data Summaries for California Counties, 2002 (April 2003)	\$20.00
Healthy People 2010 Leading Health Indicators: California, 2002 (January 2004)	\$ 1.00
Profile of Women's Health Status in California 1984-1994 (March 1997)	\$20.00
Analysis of Health Indicators for California's Minority Populations (February 1994)	\$10.00
Vital Statistics of California, 2001 (April 2004)	\$20.00

Copies of major reports published by the Center for Health Statistics are available in state depository libraries, which include large university, college, county, and city libraries. Many OHIR reports and most tables in this report, as well as the 2002 catalog, can also be found on our Internet website:

www.dhs.ca.gov/hisp/chs/ohir

The vital statistics presented in these reports constitute only part of the information reported on vital records. Special tabulations, cross-tabulations, and electronic data files can be provided to requestors. The fee required for special requests is determined at the time of the request.

Lists of the statistical information available are provided in:

- Figure 8-C (Live Births)
- Figure 8-F (Fetal Deaths)
- Figure 8-H (Deaths)

Questions concerning the development of special reports or requests for electronic data files should be directed to:

California Department of Health Services
Office of Health Information Research
Vital Statistics Section
MS 5103
P.O. Box 997410
Sacramento, CA 95899-7410

Phone: (916) 552-8095

PUBLICATION ORDER FORM

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Office of Health Information and Research
Vital Statistics Section
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MS 5103, P.O. Box 997410
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NOTES

VITAL STATISTICS REGISTRATION IN CALIFORNIA

RECORD	PERSONS RESPONSIBLE FOR COMPLETING RECORDS	PERSONS RESPONSIBLE FOR FILING RECORDS WITH LOCAL REGISTRAR	PERSONS RESPONSIBLE TO TRANSMIT RECORDS TO STATE
Certificate of Live Birth	Attending physician or parent for unattended birth.	In-hospital birth: the hospital administrator or designee. Out-of-hospital birth: the physician or parent.	Registrars of full-time approved local health departments; or registrars appointed by State Registrar.
Certificate of Fetal Death	Funeral director and physician or coroner for medical certification.	Funeral director or person acting in lieu thereof.	Registrars of full-time approved local health departments; or registrars appointed by State Registrar.
Certificate of Death	Funeral director and physician or coroner for medical certification.	Funeral director or person acting in lieu thereof.	Registrars of full-time approved local health departments; or registrars appointed by State Registrar.
Certificate of Registry of Marriage	Persons applying for license and clerk of county issuing license.	Minister or other person performing marriage ceremony.	County recorder of county in which marriage license was issued.
Copy of Final Dissolution of Marriage, of Legal Separation, and of Declaration of Nullity	Attorney for party obtaining the final decree.	Attorney for party obtaining the final decree.	County clerk of county granting decree.

Source: Statutory Provisions Relating to Vital Statistics, 1993, State of California.

Arnold Schwarzenegger, Governor
State of California

Kimberly Belshé, Secretary
Health and Human Services Agency

Sandra Shewry, Director
Department of Health Services

